

AMERICAN NURSERYMAN

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

JUNE 1, 1957



Cedrela Sinensis

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FLOWER—GRASS—VEGETABLE

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THANKS TO YOU

Another satisfactory season has now been completed.

Favorable weather conditions permitted us to ship this past season's orders about on schedule. Reports from retail outlets indicate a profitable and busy selling season.

Prospects for our industry should continue favorable for this coming year and the demand for plant material of all kinds should be very good. As usual, some items of stock will again be in limited supply and few surpluses are indicated at the present time. Therefore, it will pay for you to make early reservation of your anticipated requirements for the 1957-1958 season. Our wholesale representatives will resume their work after June 15 and will be contacting you as early as possible.

*Superior Quality and Service for
81 Years*



One of America's Foremost Nurseries

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ESTABLISHED 1875

• SHENANDOAH IOWA •

AMERICAN NURSERYMAN

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The Nurseryman's Forte: To Make America More Beautiful and Fruitful

VOL. CV, NO. 11

JUNE 1, 1957

Founded 1904

With which was merged 1939

THE NATIONAL NURSERYMAN

Established 1893



Published on the
first and fifteenth

of each month by the

AMERICAN NURSERYMAN
PUBLISHING COMPANY

343 South Dearborn Street,

Chicago 4, Illinois.

Telephone: WAbash 2-9011



Subscription Price:

\$5.00 per year; outside

United States, \$6.00;

Single Copies, 25c.



Advertising Rates

On Application.

For Closing Dates

See Next Page.



Entered as second-class matter
December 14, 1933, at Chicago,
Ill., under act of March 3, 1879.

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Forms for the June 15 issue will close Friday, May 24.

Forms for the July 1 issue will close Friday, June 7.

Mail copy to arrive at Chicago by these dates—no later!

Coming
ATTRACTIONS

★ ★ ★ HOWARDS OF HEMET ★ ★ ★ 1958 ROSE VARIETIES

Starring

CLIMBING TIFFANY

Our own incomparable 1956 AARS winner soars to new heights as a climbing hybrid tea. Be prepared when the curtain goes up on this one.

Starring

CLIMBING EUTIN

Bright new beauty makes first bow this season. Vivacious red climbing floribunda, sure to have 'em crowding the sales.

Starring

THE TEXAN

Advance notices underestimated first season performance of this lively Western floribunda. Red prairie fire and just as "hot". A proven box office success.

Starring

TOM-TOM

No can beat 'um. Heap terrific rose has plenty sales impact. Crimson pink floribunda — side-kick of mighty Texan. This one should really be a show-stopper.

If you're looking for roses whose quality, appearance and performance will steal the show in your customer's garden, then may we suggest you place an order early with us.

SEND FOR OUR NEW 1958 PRICE LIST

"Seasoned Rosebushes for the wholesale trade exclusively"

HOWARDS of HEMET
"Seasoned Rosebushes"
HEMET • CALIFORNIA

AMERICAN NURSERYMAN

F. R. KILNER
Editor and Publisher

FRED H. KILNER
Managing Editor

C. A. BRADY, Jr.
Advertising Manager

Editorial

INDUSTRY TRENDS

The American Association of Nurserymen has released figures on the sales trends in the industry, based on the dues returns of A. A. N. members. The dollar volume average of nursery firms in 1956-57 was 2½ per cent higher than in the preceding year, which is about half of the gain shown in each of the years before that and the smallest since the first year the tabulation was begun, for 1939-40.

A survey of more than 225 nursery catalogs for 1957 showed price index increases over the two preceding years of anywhere from 1 per cent, in the case of ornamentals at retail, to 6 or 8 per cent, in the case of fruits at wholesale and by mail order.

In general, sales throughout the industry followed the trend in the catalog field; the gain in dollar volume did not indicate a gain in physical volume of sales.

Is the nursery industry showing signs of leveling off in demand in spite of the continuation of the home-building boom, and is this industry about to join numerous others that find conditions so competitive that they must put forth renewed efforts and adopt new merchandising practices in order to hold their share of the consumer's dollar?

TO SAVE POSTAGE

There seem sure to be increases in postal rates, according to the present attitude of Congress and the demands of the postmaster general for a larger appropriation. Whether the postage bill is an item large enough to be of importance depends upon one's type of business and the volume of outgoing mail. If the postage bill is large, it is probably because the firm sends out sales literature in the form of letters, circulars, catalogs, etc. In that case a fruitful method of keeping the postage bill down is to go over the mailing list periodically with a fine-tooth comb,

to be certain that dead names are removed, addresses are corrected and in general the list is brought up to date. The waste in mailing lists is appalling. The best lists are none too good, and those that do not have at least periodic attention, if not constant supervision, will prove very expensive to use.

FURTHER IDEAS

Constantly changing habits on the part of the purchasing public demand changing methods on the part of nurserymen. These changes are not always discernible over a short period, but one can see the trend. For instance, in the series of articles on operating a garden center published in this magazine and now available in book form the current methods and practices of that type of business were set forth in detail, but, thorough as the articles might be considered, they will not be the last word.

Since the appearance of the articles, excerpts of talks presented at recent nurserymen's meetings, published in these pages, have demonstrated that new ideas are making their appearance from time to time, in different parts of the country. So these further discussions of garden center operation give an opportunity to readers to check their own methods, if they engage in that type of business, and see what has been tried elsewhere, either successfully or otherwise.

Differences of opinion appear constantly, many of them to be explained by differences in location and in type of customer. The garden center located on a through highway connecting several towns is likely to have more cash sales and smaller individual purchases by customers than is a garden center operated in the midst of a settled suburban community, where customers are steady, usually buy all their supplies there and are otherwise differentiated from the buyer who halts his automobile at a sign on the highway. This example does not present the whole picture, but it indicates reasons for contrasting methods of operation in different places and under different conditions.

Similarly, self-service may be practical and desirable in a garden center handling many items of supplies that can be located by signs placed over the counters or on the walls, selected and then taken to the check-out

counter. But in an establishment which is more heavily devoted to plant materials, where an effort is made to sell a customer a good-size order, self-service is not desirable. It has worked well for salesyards handling limited specialties, such as roses or perennials.

Hence all of us are seeking further ideas on this important phase of the nursery industry, because the most effective way to serve the public is the surest way to expand the total volume of sales of nursery stock and allied lines.

HELP FROM OUTSIDE

In recent years some large nursery firms in both the retail and the wholesale fields have hired as mature executive employees men who have made their mark or had experience in another industry, in finance, merchandising or management. The results have been highly successful, at least in some cases observed, and it seems likely that the example will spread to smaller enterprises. The nurseryman need not have many employees in order to make it profitable for him to hire one having useful experience in some other than the nursery field. In the office or in planning the over-all program, such an individual brings a point of view different from that of a person brought up in the nursery business, particularly where the emphasis has been on production with thought for little else.

The example is one observed in other industries. Frequently, a manufacturing firm hires the employee of an auditing firm who has worked on its books to make the annual audit and is therefore familiar with its operations. That is a common practice, as the C. P. A. firms complain.

While it may be a considerable time before production of nursery stock catches up with the demand, there will come a time when the importance of this suggestion is even greater than it is now, when it is almost certain to add to the efficiency and probably to the profits of the enterprise in which experienced help from outside is obtained.

Office management, credit, finances, advertising and other phases of business require a different type of training and experience than cultivating nursery stock. Schools of business administration are turning out young men who will admirably fit in niches of this kind.

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The Upright Sugar Maples

By Bernard Harkness

Rochester Park Department, Rochester, N. Y.

For the most part, certainly, there are but two forms of sugar maple with upright branches grown in nurseries today. Moreover, they are the same two which appeared in a Massachusetts nursery catalog 70 years ago.

As much as one may ordinarily expect to know about a cultivar, a plant arising in cultivation, is known about the more striking and distinct of the two forms. In the March 15, 1924, issue of *Horticulture*, A. H. Fewkes recalls that the original tree of this variety grew in the yard of a Newtonville, Mass., grammar school until 1872. Soon afterward the tree was moved to the Newton cemetery. Despite Mr. Fewkes' concern in the same communication ("Its location on a dry, gravelly bank is not conducive to its best development, even if its very life were not threatened by the encroaching roots and spreading branches of less important trees in close proximity"), the tree still stands and has survived the later hazard of hurricane winds, which have taken one large branch. It is suitably marked by a bronze tablet, which was placed beside it in 1937. In March of 1954 its diameter at breast height was 12 inches, and its height was a little over 40 feet. Other specimens, its own progeny, such as one in the Arnold Arboretum, Jamaica Plain, Mass., have surpassed

the parent tree in the height to which they have grown.

Introduction by Temple

We have F. L. Temple, a 19th century nurseryman, to thank for introducing this maple, as well as the second upright form; he seems to have been a pioneer in the method of nursery merchandising which features new and unusual plant materials. The catalog issued by his Shady Hill Nurseries, Cambridge, Mass., for the season of 1885-86 first carried the listing of the Newton tree, calling it *Acer saccharinum columnare*. To modern eyes, there may seem to be two things wrong in this listing. With regard to the species name, however, it was not until a decade later that *saccharum* came into general usage for sugar maple and *saccharinum* was returned to soft maple. And although the variety name for sentry maple (the Newton tree) is now commonly given as *monumentale*, the tree was not so designated by Temple; he first used that name for his second (1887-88) introduction, which is the broader upright form of sugar maple. Perhaps a decade from now nurserymen will have dropped the *monumentale* name because of its monumental confusion, one might say, and the simple cultivar names of Newton sentry and Temple's upright may clearly indi-

cate in lists which of the upright maples is offered.

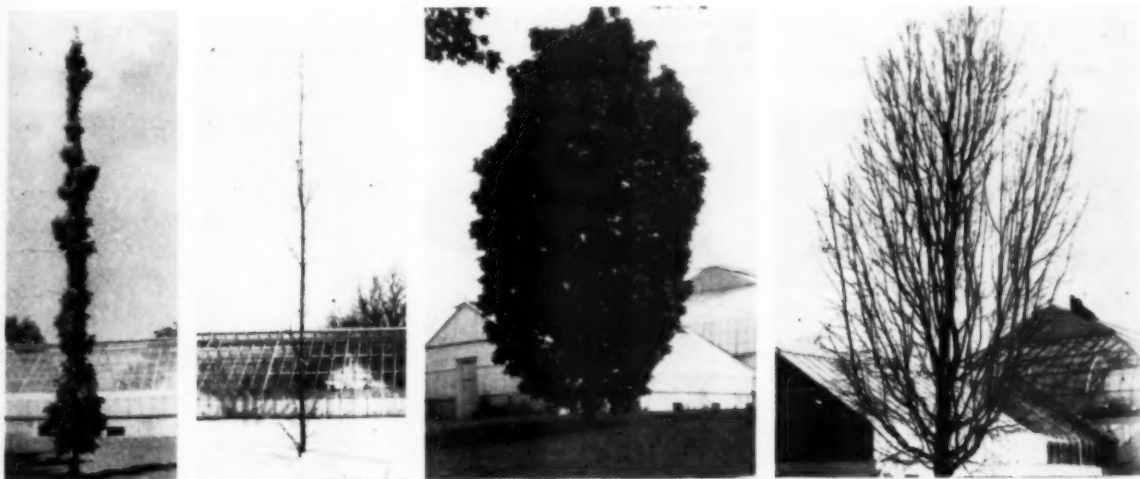
No original tree is known to be cited for Temple's upright, but many nurserymen apparently thought it a more useful tree than the Newton sentry, among them Ellwanger & Barry, Rochester, N. Y. Near their office building they planted a stock tree of Temple's introduction, which they listed in their catalog as monumental sugar maple. The tree remains today somewhat crowded and perhaps, at first glance, not recognizable as an upright form.

The Ellwanger & Barry catalogs noted that the foliage of the second growth shoots during the summer were of a brilliant crimson. Westfield street, Rochester, N. Y., is planted to Temple's upright. In recent years, the foliage of many trees has been off color, with scorch also appearing. It is not yet determined whether this is due to uneven soil conditions, as the area is known to consist in part of fill land, or a virus condition.

Varietal Differences

There are enough differences between the two forms so that their identification should not be difficult. With young plants, the leaves may be the best characteristic to note. On Temple's upright the leaves are the

[Concluded on page 62]



Two subjects at left are the Newton sentry maple, introduced by F. L. Temple and originally listed in his catalog of 1885-86 as *Acer saccharinum columnare*. The foliage effect and branch structure of the same tree are shown, although the branch habit is not typical because secondary branches have been removed to retain symmetry, and a single-trunked specimen has resulted. This tree is much narrower in form than Temple's upright clone.

Two subjects at right are Temple's upright clone, introduced by F. L. Temple and listed in his 1887-88 catalog as *Acer saccharinum monumentale*. Illustrations show foliage effect and branch habit of the same tree.

All-America Rose Selections Names 1958 Award Winners

All-America Rose Selections marks its 20th anniversary with the announcement that three magnificent new roses have won its coveted All-America rose award for 1958. This highest honor in the United States flower world goes this year to Fusilier, a brilliant orange-red floribunda from Jackson & Perkins Co., Newark, N. Y.; Gold Cup, a golden-yellow floribunda from the same company, and White Knight, a pure white hybrid tea, introduced by Conard-Pyle Co., West Grove, Pa.

To win this award, the three new roses competed with the finest new rose introductions from both Europe and the United States. Carefully observed and judged in the rigid 2-year trials conducted in the 25 All-America testing stations located throughout the country, these three roses proved their superiority over all the other roses entered in the trials.

Newcomers Described

Fusilier is a rich orange-red floribunda of great brilliance and luminescence which turns a darker cherry red in the fall of the year. The wavy flowers are three to three and one-half inches across and are produced in heavy clusters. The plant remains almost constantly in bloom. The interesting luminiscent effect is produced by the unevenness of the frilled flowers in the immense heads. The plant is decorative, growing full and bushy. It is of medium height and stocky. The foliage covers the branches well with medium-size

glossy leaves of dark green. When the plant is young, the foliage is an interesting red. The sharp color and bushy growth of Fusilier will make this rose a favorite in gardens, hedges, shrub plantings and wherever color accent is desired.

Gold Cup is a floribunda of golden yellow that holds its color throughout the life of the flower. The pure yellow of the blooms contrasts beautifully with the ornamental glossy foliage. The fragrant blooms are three to four inches across, opening from pointed buds. Gold Cup grows about two and one-half feet tall and is well clothed with average-size, glossy dark foliage. The entire plant is constantly renewed by the freely sprouting basal shoots. It shows marked disease resistance in all areas of the country. Since yellow floribundas are rare, this new member of the highly popular floribunda class will be an excellent addition.

White Knight is the first white hybrid tea to be chosen in the history of the A. A. R. S. It is a splendid rose for cutting purposes, with long-lasting flowers. Vigorous and disease resistant, White Knight is clothed with moderately thick, leathery leaves of a lively green color. It is free-blooming, with the buds, which are medium long and pointed, changing progressively from soft greenish white to pure white as they open. The flowers, of 28 to 35 petals, are four to five inches in diameter, high-centered at first, becoming shallow-cupped, with the petals rolling loosely outward. The blooms of

soft satin white on the inside and shining white on the outside will make this new rose a favorite in every garden.

Judging Points

Entered in the A. A. R. S. trials in 1954, the holders of the 1958 award are the 46th, 47th and 48th to reign as members of the royal family of roses. Like their predecessors, they were judged under a uniform system on 13 different characteristics. These are novelty, vigor, habit, disease resistance, foliage, floriferousness, bud form, flower form, substance, color on opening, color on finishing, fragrance and stem.

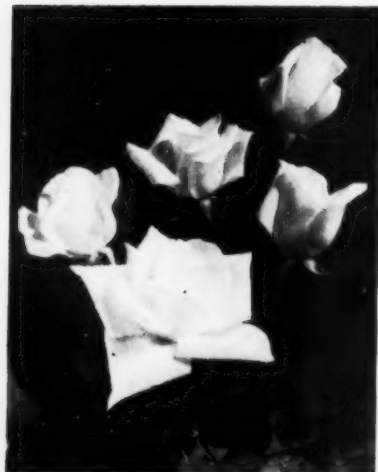
The first announcement of All-America Rose Selections was made two years after its founding in 1938 by a group of the nation's leading nurserymen and hybridizers. Awards have been given in each succeeding year, with the exception of 1951, when no variety entered in the A. A. R. S. trials was deemed equal to the rigid judging standards.

J. & P. TIME STORY

National attention was focused on the Jackson & Perkins Co., Newark, N. Y., recently when Time magazine featured an article on the firm entitled "The Rosiest Business." Mention was made of the current spring catalog that displays more than 120 different varieties of roses in all floral colors except blue.

In the height of its 1957 shipping season, the firm had 1,200 employees filling orders from customers in all states for approximately 9,000,000 rosebushes, it was said. Operating 2,300 acres at Newark, N. Y., the firm also has 1,000 acres in roses in California and 1,900 acres in Ari-

[Concluded on page 33]



White Knight



Fusilier



Gold Cup

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The Fontainebleau, A. A. N. Convention Hotel, Overlooking Formal Gardens and Ocean Front at Miami Beach, Fla.

A. A. N. Convention Plans Announced

ALLIED GROUPS' MEETINGS

As plans for the 82nd annual convention of the American Association of Nurserymen at Miami Beach, Fla., July 21 to 25, near completion, the time and place of meeting for the various allied organizations that regularly convene preceding or during the A. A. N. convention period have been announced by the Washington headquarters. The schedule for these meetings, all to be held at the Hotel Fontainebleau, follows:

FRIDAY, JULY 19

9:00 A. M.—Ornamental Growers' Association, stock committee, mezzanine, North Card room.

2:00 P. M.—Fruit Tree Growers' Association, stock committee, mezzanine, North Card room.

SATURDAY, JULY 20

9:00 A. M.—National Landscape Nurserymen's Association, executive committee, mezzanine, North Card room.

10:00 A. M.—Ornamental Growers' Association, mezzanine, South Card room.

2:00 P. M.—Fruit Tree Growers' Association, mezzanine, South Card room.

SUNDAY, JULY 21

8:00 A. M.—National Landscape Nurserymen's Association, executive committee breakfast, Rosewood room.

9:00 A. M.—All-America Rose Selections, lower lobby, Civic room. All-day session.

2:00 P. M.—Market development and publicity committee, Rosewood room.

MONDAY, JULY 22

9:00 A. M.—National Association of Plant Patent Owners, lower lobby, Civic room.

8:00 A. M.—Baby Ramblers' breakfast, Rosewood room.

TUESDAY, JULY 23

9:00 A. M.—All-America Camellia

Selections, lower lobby, Civic room. All-day session.

9:00 A. M.—American Nurserymen's Protective Association, Rosewood room.

6:00 P. M.—National Landscape Nurserymen's Association supper, Rosewood room.

WEDNESDAY, JULY 24

8:00 A. M.—National Landscape Nurserymen's Association, executive committee breakfast, Rosewood terrace.

8:00 A. M.—National Mail Order Nurserymen's Association breakfast, Rosewood room.

2:00 P. M.—Nursery Association Secretaries, mezzanine, South Card room.

A. A. N. LADIES' PROGRAM

Program planners for the American Association of Nurserymen have pooled their efforts to make the Miami Beach convention a family affair. Mrs. Myrtle Armstrong, of the Kitchen Door Nursery, North Miami, Fla., contributing to this project as ladies' program chairman, has devised the following schedule to occupy the nurserymen's wives during the 5-day event. Plenty of free time is allowed for swimming, boating, special trips or shopping.

The complete schedule of events for the ladies follows:

SUNDAY, JULY 21

Afternoon reception in the mezzanine card rooms of the Hotel Fontainebleau.

Hospitality night; water show and dancing at the Eden Roc hotel cabana and pool area.

MONDAY, JULY 22

Morning open.

Keynote luncheon in the Fleur de Lis room of the Hotel Fontainebleau; Boyd Campbell, chairman of the board, Chamber of Commerce of the United States, guest speaker.

Afternoon bus trip to Seaquarium on

Virginia Key, then on to Crandon park, on Key Biscayne, for a beach supper.

TUESDAY, JULY 23

Morning open.

Ladies' Auxiliary luncheon; annual meeting and style show at the Cafe Pompeii, Eden Roc hotel.

Night open.

WEDNESDAY, JULY 24

Daytime open.

Past presidents' banquet in the Fleur de Lis room; entertainment and dancing.

THURSDAY, JULY 25

Morning open.

General luncheon in the Fleur de Lis room; "Pink Pills for Pale People," by H. Wayman Parker, Sharp & Dohme division, Merck & Co., Inc., Philadelphia, Pa., guest speaker.

FOR JUNIORS AT MIAMI

Visits to two outstanding attractions of the Miami area—the Parrot Jungle and the glass-botomed boat cruise—are included in the program planned for the younger set at the American Association of Nurserymen's July convention.

At the Parrot Jungle, an exotically landscaped tract of land south of downtown Miami, brilliant macaws, parrots and cockatoos fly about free, while peacocks, stately flamingos and spectacular gouras strut below in a natural jungle.

East of the mainland, at the Miami Beach end of the MacArthur causeway, the glass-bottomed boat receives passengers for a cruise three miles out in the ocean. Through the bottom of the boat, passengers watch a deep-sea diver as he explores the ocean floor and points out coral and sponge formations, rare tropical fish

[Continued on page 65]

Mail-Order Sales Improve Despite Varied Problems

Mail-order firm reports indicate that sales this spring are up somewhat from last year's figures, but the gains were uneven over the country, being affected by many weather variables. Buying was slow to start in dry localities; elsewhere it was slowed by rains that discouraged gardening. Early warm weather shortened the digging season in one New York area. A cold spell after a warm start checked orders in still another instance. May business, however, seemed to bring promises of offsetting the early deficiencies, several reports suggest.

Aggravating to all were the problems created by the express company employees' strike and the curtailments in service by the Post Office Department. Both adverse moves occurred during the trade's busy season and some firms felt the difficulties more seriously than others. Complaints about costs and handling methods of both transportation systems are frequent. Packaging continues a concern, along with other plant-handling tasks where labor costs and losses might be reduced.

A strengthened demand for quality stock is mentioned. Perennials and ornamentals sold well. Stock, seemingly, was good, and shortages were not mentioned.

Gain Matches Promotion

Otto Stern, Stern's Nurseries, Geneva, N. Y., writes: "Our mail-order sales on nursery stock during the spring season of 1957 are exceeding last year's sales by better than 20 per cent, which is approximately in proportion to larger investments we made this spring for catalogs and other sales literature."

New York Sales Good

John W. Kelly, Kelly Bros. Nurseries, Inc., Dansville, N. Y., feels spring records will be pleasing, despite aggravations affecting mail-order operation. His comments follow:

"At this writing, May 6, we are still receiving a large volume of orders which, if they continue for a week or 10 days, will make us feel pleased with this year's business.

"Every season seems to have its complications. This year we had unusually warm weather in March and early April, which forced plants into leaf as quickly as we ever experi-

enced. As a result, we had to cancel many orders, because we could not dig the stock.

"Our planting schedule is up to date, although at this time, it is quite dry in this area.

"The demand for fruit trees was up to our expectations, and our mail-order business continued to show growth.

"The express employees' strike was a serious handicap to us when our shipments were at their highest volume, and the mail curtailment by the

PROTECTIVE GROUP HEAD



William Flemer III

William Flemer III, president of the American Nurserymen's Protective Association, represents the third generation of the Flemer family active in the management of the Princeton Nurseries, Princeton, N. J. Joining the nursery in 1948, after receiving his M. S. degree from Yale University, New Haven, Conn., Mr. Flemer is now vice-president of the firm and superintendent of the nursery.

He attended the Lawrenceville school and Yale University, where his studies were interrupted by three years of service with the army corps of engineers during World War II. A past president of the Ornamental Growers' Association, he also serves as vice-president of the New Jersey Nurserymen's Association and as trustee of the Stoney Brook-Millstone Watershed Association.

Mr. Flemer is a member of the Botanical Society of America, the Plant Propagators' Society, the American Horticultural Council and the American Forestry Association. He and his wife, the former Elizabeth Sinclair, have three children, Louise, 6; Harriette, 5, and William IV, 3.

Post Office Department aggravated the operations of our mail-order business."

Iowa Firm's Gains

Efficiency methods and a stronger demand for quality stock are reported by George Rose, Henry Field Seed & Nursery Co., Shenandoah, Ia. The comprehensive survey follows:

"Our business has been very good this spring. At the present time (May 8), our nursery business is 14 per cent ahead of last year's, and our over-all business, including garden seeds, field seeds, hatchery and merchandise, is up 10 per cent.

"The demand generally has been across the board on all nursery stock, although such a quick study as I have been able to make indicates that our hardy perennials, including chrysanthemums, asters and lilies, have shown a sharper increase in sales than the deciduous material.

"This year more than ever it seems that our customers want quality. We offer several rose collections in No. 1 and 1½-grade. This year, without exception, the No. 1½-grade rose collections are down sharply, whereas in each case the corresponding No. 1-grade rose collection has increased sharply—in some cases more than doubling the sales of last year. We find the same to be true of our de luxe grade of fruit trees as compared with our regular grades.

"Supplies of nursery stock have been adequate in most cases, with the exception of fruit trees, which have been tight. Plum trees are practically off the market.

"We have constantly strengthened our shipping containers. In fact, most of them now will bear the weight of a man without crushing, and yet each year, and this year is no exception, we get more badly battered cartons returned by our customers. It is evident that there is little interest in the Post Office Department regarding the manner in which parcel post is handled.

"Probably many other firms were more alert than we, for we have just learned to use air freight on our smaller incoming shipments. We find that the cost is little more than by Railway Express, but the service is excellent, and even the most fragile materials are delivered in fine condition, with great speed.

"Regarding our packaging this year, all of our perennials were dug last fall, worked, wrapped individually in polyethylene or dropped in polyethylene sacks and heat-sealed or sealed with tape and frozen up at 28 degrees. We have been shipping

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Sixty Years of Rose Growing

The growth in the popularity of roses with home gardeners has been one of the outstanding features of the broad expansion of horticultural interest in the past 60 years. In this span of time, the Conard-Pyle Co., West Grove, Pa., has consistently held a leading position, lending strong support to the endeavors which kept roses in the forefront of flower specialties and steadily expanding its facilities and services.

In this long period of rose promotion, the firm pioneered in selling by mail. It succeeded not only in developing public confidence in the purchase of roses by this process, but in giving an impetus to the tremendous general mail-order purchasing of plants and other gardening items carried on today.

One of the 1958 All-America Rose Selection awards, recently announced, went to the Conard-Pyle Co. for the new hybrid tea, White Knight, giving additional significance to the firm's 60th anniversary, now being celebrated.

Firm's Origins

In Chester county, in the southeast corner of Pennsylvania, there had been for some years prior to 1897 the well-established firm of Dingee & Conard. To this firm in 1874 came Antoine Wintzer, noted as a propagator, especially of cannas. Alfred Conard withdrew from the firm in 1893 and organized a business of his own; then four years later, he, with Mr. Wintzer, S. Morris Jones and Robert L. Pyle, formed the Conard & Jones Co. This firm rapidly established a reputation in the mail-order field. Its first catalog stated in part that the company had been formed "for the special purpose of growing and selling our new and beautiful roses, plants, bulbs and seeds." The

first roses listed in the first catalog were offered as "well established plants from 3-inch pots, 25 cents each; 5 for \$1.00, postpaid."

Robert Pyle, son of Robert L. Pyle, entered the picture in 1899 as an employee. Seven years later, when Alfred Conard died, this employee became president of the company. At the same time he and his father purchased the major interest in the business, and in 1924 its name was changed to the Conard-Pyle Co.

The rise of the modern-day firm began under the leadership of a dynamic salesman, Robert Pyle, whose efforts have been outstanding in making America so rose-conscious that today millions of home gardens have roses in them, hundreds of thousands of people attend rose shows and belong to rose societies and vast numbers of rose plants are produced and sold by this and other rose firms.

To develop public acceptance of roses on a large scale, Mr. Pyle believed it necessary to produce for sale only highest-quality plants and to guarantee them. "The Best Roses for America" became the company's slogan. Its guarantee that the firm's roses would bloom was among the first of its kind in the industry.

Brought European Roses

Robert Pyle made numerous trips to Europe to seek new roses for this country. An early introduction was hugonis, the yellow hedge rose, which he brought back from a visit to England's famous Kew Gardens in 1911. For the next 40 years, he obtained from leading hybridizers of Europe thousands of rose varieties for testing at the Conard-Pyle Co. gardens. Of these, more than 150 have been introduced here by the company as suitable for American conditions. Among them are such famous older roses as



Sydney B. Hutton, president of the Conard-Pyle Co., admires one of his Star roses.

Christopher Stone, Condesa de Sagtato, Duquesa de Penaranda, Mme. Cochet-Cochet, Mme. Henri Guillot, Mrs. P. S. du Pont, Soeur Therese, Floradora, Angels Mateu, Spanish Beauty and Ami Quinard. The firm first used the designation Star roses for its roses about 1908.

With the employment of Dr. J. H. Nicolas in 1924, the firm began a program of research. In 1925, occurred the death of Antoine Wintzer, and Robert Pyle then brought into the firm two men whose work in the years since has carried forward the firm's ideals. One was George Ohlhus, who, with experience gained in many nurseries in Germany and Holland, became the company's rose grower. He has been, since 1938, a director of the company and serves also as secretary.

The second man, Sidney B. Hut-

[Continued on page 68]



One of two garden marts operated by the Conard-Pyle Co., at West Grove, Pa. This Christmastime picture of the No. 1 mart, open the year around, shows a display of B&B Christmas trees and prominent promotion of the firm's Star roses. Recently added at this mart was a complete garden shop, which stocks tools and supplies for cash-and-carry customers.

Southern Wholesalers Report Optimistic Outlook and Rain

Wholesale nurserymen in the south report a busy season. All stock was in demand, and a cleanup was general, with dealers enjoying a good business as home building continued active. There is optimism for fall, for which no surplus of stock is seen. A stiffening but no great change in prices is anticipated. With Alabama finding drought a problem, most of the other states from which reports were received told of digging problems resulting from excessive rainfall.

Increasing deliveries by semitrailer trucks was one solution of the growing transportation problem. A change in the types of shrubs desired was noted in Kansas, where both evergreen and deciduous trees were short of the needs. Two Tyler, Tex., firms report a sellout of roses. Georgia had some frost damage to azaleas. Plantings are said to be about the same as last year's.

Alabama Had Lively Demand

A satisfactory cleanup is reported by Henry H. Chase, Chase Nursery Co., Chase, Ala., in the report on spring business, which follows:

"This has been a hectic season as far as the weather is concerned. We are still planting (May 7) and are still fully three weeks late getting all material into the ground. It has turned somewhat dry here in the past couple of weeks and we have started our irrigating in hopes of securing paying stands.

"Demand was lively and almost our entire line was called for this season. We had a satisfactory cleanup and can only say we were well pleased with the season's volume of business.

"We had our share of troubles with the Department of Labor, but we think we have resolved our difficulties so that it will not be a problem in the future, although it is going to change our way of doing business a little. The problem was quite annoying at the time and it still makes us a little hot under the collar to think about it.

"We are feeling optimistic over the outlook for business for this fall and see no reason why there should be any letup in the demand for nursery stock."

Georgia's Local Sales Good

Mailing costs affected shipping, but new facilities helped to increase local sales, reports James G. Bailie,

Fruitland Nurseries, Augusta, Ga., who writes:

"Our shipping season has now come to a close, and we are busy pruning, spraying, plowing, hoeing, etc., to take care of the plants during the summer season.

"Due to high cost of transportation, our shipping has been curtailed some. We are trying to find ways to reduce the cost of packing and the weight of plant packages.

"Local sales were good. We built a new garden center this season, which proved very satisfactory. A new superhighway being built just in front of the nursery, when completed, will add a great deal, we think, to the number of people who will visit this center.

"Weather conditions were fairly good this year, but we suffered some loss from late freezes, which damaged

the indica types of azaleas; the kumrums always come through in fine condition."

Optimism in Kansas

"The 1956-57 season was one of the best we ever experienced," declares John J. Pinney, Willis Nursery Co., Ottawa, Kan., adding: "Our volume was considerably larger than last year's and the cleanup was good.

"The demand was especially good for shade trees and the better evergreens. There were not nearly enough shade trees to take care of the demand in the larger sizes, and we dug evergreens throughout the season, until stopped by new growth.

"Some kinds of shrubs sold very well, but others were slow, and the indications are that the fashion in shrubs is changing. Naturally, the smaller-growing varieties were in demand for planting around the ranch-style homes.

"There was no shortage of day laborers, but it was difficult to get enough experienced help.

"Express service is becoming poor. [Continued on page 39]

Pacific Coast Wholesalers Report Record Spring Season

From the Pacific northwest come reports on another season of extremely heavy trade, one which is breaking records in the area and causing some growers to foresee a shortage of finished stock in the near future. Also indicated is a rise in prices. Cool weather prolonged the shipping season, and there was a little delay in planting, but warm weather later is said to have brought plantings just about back to normal for this time.

California Roses, Trade Good

J. Awdry Armstrong, executive vice-president, Armstrong Nurseries, Ontario, Calif., describes the California situation as follows:

"The sales season for 1957-58 was about normal for this area. The rose crop was good, and sales were excellent nationally—both at wholesale and retail. The demand for California-grown roses seems to get stronger each year.

"The home market for fruit trees continues to show a downward trend, because of the limited area in the new subdivisions for fruit trees, but the commercial demand for certain early varieties for plantings in the San Joaquin valley was excellent.

"The retail demand for ornamentals has been good, but orna-

mentals are highly competitive in southern California, and the prices, as usual, are too low.

"The weather in southern California was favorable for planting throughout most of the winter and spring season. There were no severe storms. The rainfall was insufficient, a situation that is becoming almost perpetual.

"Due to the encroachment of subdivisions and industry on agricultural lands in southern California below the Tehachapi mountains, part of our production of fruit trees and roses has been moved to Kern county in the southern San Joaquin valley, where a considerable tract of land has been purchased for the purpose."

Central California Activity

Walter C. Borchers, W. B. Clarke & Co., San Jose, tells of rising demands in central California in the following report:

"We have had an exceedingly busy season during the past five months and a reasonably profitable one, also. While the bulk of our sales are in this central California area, we ship a considerable volume of material all over the United States, which reflects itself in our total volume. In

[Continued on page 55]

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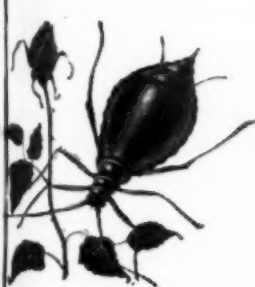
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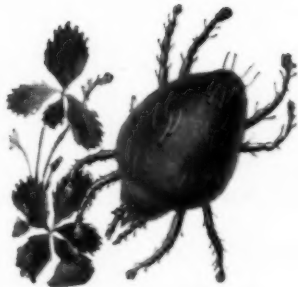
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APHIDS—Probably the most com-
mon and damaging insect of or-
namentals. Malathion stops all
species of aphids whether on
shade trees, shrubs or flowers.
Because aphids build up fast,
frequent spraying is recommended.



SPIDER MITES—Before malathion,
a special miticide was needed to
control mites. Now, you can clean
them up along with the insects.
The USDA has O.K.'d malathion
for use against mites and 80 dif-
ferent insect pests.



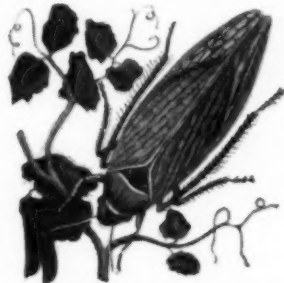
THRIPS—These tiny insects rasp
white streaks and patches in gla-
diolus, roses, many other flowers.
Malathion controls thrips, white-
fly, lace bug, mealybug, four-lined
leaf bug, tarnished plant bug.



BEETLES—Malathion controls such
hard-to-kill species as Japanese
beetle, Mexican bean beetle, etc.
Low toxicity to man and animals
makes malathion ideal for nur-
ery, park and home-gardener use.



FRUIT WORMS—Use malathion
for codling moth, plum curculio,
leaf rollers, aphids, mites, scales
other major pests of tree and small
fruits. Compatible with most
fungicides and liquid fertilizers.



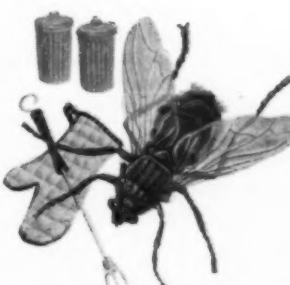
LEAFHOPPERS—Malathion stops
potato leafhopper, rose leafhopper
and most others in this lively
group. It's available in emulsions,
wetttable powders and dusts. Also
in aerosols for greenhouse use.



SCALES—Malathion controls these
scabs: oyster shell, euonymus,
pearly, azalea, pine leaf, mag-
nolia, Fletcher, Florida-red, juni-
per, Monterey pine, soft, pine
needle, black scale, oak kermes.



WORMS—Malathion kills worms,
loopers, birch leafminer and box-
wood leafminer. Also tent cater-
pillar, bagworms. A regular spray
program based on malathion pre-
vents damage to plantings.



FLIES—One application of mala-
thion keeps killing flies two to
four weeks, including DDT-resist-
ant strains. Spray around build-
ings, barbecue areas, fences . . .
wherever flies congregate, breed.



MOSQUITOES—Authorities are
spraying whole towns with mala-
thion to eliminate mosquitoes, in-
cluding DDT-resistant strains.
Treat breeding areas for larvae;
barbecue area, etc., for adults.

Malathion alone protects all flowers, shrubs, trees from all these pests

Offers safety-in-use, and
leaves no harmful residues

Malathion solves the problem of *what* to use
against *which* insect because it controls practi-
cally *all* pests attacking ornamentals. It's quick-
acting and economical.

Malathion is *low* in toxicity to man and animals,
offers your staff an extra margin of safety. The
USDA calls it "one of the safest insecticides to
handle". No respirators or protective clothing
are required.

Malathion is available in spray or dust form
under the brand name of well-known manufac-
turers. Ask your regular supplier about the
brands he carries.

New, 1957 *Grower's Guide* tells how to control all
the insects shown and listed in the captions. Write
American Cyanamid Company, Phosphates and
Nitrogen Division, Dept. PM, 30 Rockefeller
Plaza, New York 20, N. Y.

CYANAMID

QUALITY EVERGREENS

BROAD-LEAVED EVERGREENS

Abelia grandiflora
Barberry, julianae
Buxus sempervirens
Cotoneaster decora lactea
Cotoneaster horizontalis
 Laurel Cherry
Laurocerasus officinalis
 (English Laurel)
Elaeagnus fruitlandi
Elaeagnus simoni
Euonymus, small-leaved
Euonymus coloratus
Euonymus patens
Ilex crenata Biloxi
Ilex crenata convexa
Ilex rotundifolia
Ilex cornuta burfordi
Ilex Foster's Hybrid No. 2
Ilex cornuta femina
Ilex glabra
Ilex opaca, seedlings
Ilex opaca Arden
Ilex opaca Croonenburg
Ilex opaca East Palatka
Ilex opaca howardi
Ilex opaca Hume No. 2
Ilex vomitoria
Ilex vomitoria, dwarf
Jasminum floridum
Ligustrum lucidum nana
Ligustrum Suwannee River
Loropetalum chinense
Magnolia glauca
Magnolia grandiflora
Nandina domestica
Photinia serrulata
Viburnum burkwoodi

DECIDUOUS TREES

Cornus florida
Cornus florida rubra
Euonymus alatus compactus
Magnolia nigra
Magnolia rustica rubra
Magnolia soulangeana

CONIFERS

Arborvitae, orientalis Baker
Arborvitae, orientalis Blue Cone
Arborvitae, orientalis Bonita
Arborvitae, orientalis excelsa
Arborvitae, orientalis newarki
Arborvitae, fruitlandi
Arborvitae, American globosa
Arborvitae, American globosa compacta erecta
Arborvitae, Pyramidal American
Arborvitae, Dark Green American
Cypress, Blue Lawson
Juniper, Andorra
Juniper, chinensis procumbens
Juniper, excelsa stricta
Juniper, communis fastigiata
Juniper, hetzi glauca
Juniper, pfitzeriana
Juniper, pfitzeriana compacta
Juniper, pfitzeriana nana
Juniper, virginiana repandens
Juniper, sargentii
Juniper, sabina
Juniper, chinensis Sylvestris
Juniper, sabina vonehron
Juniper, sabina vonehron, sheared globes
Juniper, sabina vonehron, sheared pyramids
Juniper, virginalis
Juniper, virginiana burki
Juniper, virginiana canaerti
Juniper, virginiana Dundee
Pine, Austrian

Price and Quality Guaranteed to Please.

Visit us — Highway 72, 20 mi. east of Memphis.

CARTWRIGHT NURSERIES

COLLIERVILLE, TENN.

ULysse 3-2352

COMING EVENTS

MEETING CALENDAR

June 2 to 4—Georgia State Nurserymen's Association, annual meeting and short course, Radium Springs, Albany, Ga.

June 3 to 5—Louisiana nurserymen's short course, Southwestern Louisiana Institute, Lafayette, La.

June 5 and 6—California Association of Nurserymen, ninth annual refresher course, ornamental horticulture unit, California State Polytechnic College, San Luis Obispo, Calif.

June 12 and 13—Eastern Regional Mail Order Nurserymen's Association, summer meeting, Harrison Hall hotel, Ocean City, Md.

June 19 and 20—Missouri State Nurserymen's Association, annual convention, University of Missouri, Columbia, Mo.

June 25 and 26—Kentucky State Nurserymen's Association, summer meeting, Terrace motel, Audubon state park, Henderson, Ky.

June 26 and 27—Illinois State Nurserymen's Association, summer meeting, University of Illinois, Urbana.

July 7 to 9—Virginia Nurserymen's Association, summer meeting, Virginia Polytechnic Institute, Blacksburg.

July 21 to 25—American Association of Nurserymen, annual convention, Hotel Fontainebleau, Miami Beach, Fla.

July 29 and 30—Canadian Association of Nurserymen, annual short course, Ontario Agricultural College, Guelph, Ont., Canada.

August 3 to 6—Mississippi Florists' and Nurserymen's Association, annual convention, Buena Vista hotel, Biloxi, Miss.

August 6 and 7—Michigan Association of Nurserymen and Michigan Landscape Conference, joint summer meeting, Kellogg Center, Michigan State University, East Lansing.

August 11 to 13—Southern Nurserymen's Association and South Carolina Nurserymen's Association, joint annual convention, Fort Sumter hotel, Charleston, S. C.

August 11 to 13—National Mail Order Nurserymen's Association, annual meeting, Hotel La Salle, Chicago, Ill.

August 14—Pennsylvania Nurserymen's Association, summer meeting, Fairview Evergreen Nurseries, Fairview, Pa.

August 21—New England Nurserymen's Association, summer meeting, Boulevard Nurseries, Newport, R. I.

August 21 to 23—Florida Nurserymen and Growers Association, annual short course, University of Florida, Gainesville.

GEORGIA PROGRAM

Recently released is the program for the short course sponsored by the Georgia State Nurserymen's Association and the University of Georgia, Athens, to be held June 2 to 4 at Radium Springs, Albany, Ga. The afternoon and evening of

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"THANK YOU..."

for the greatest rose season
we've ever had!"

—"Mike" Dering



Ample supply in view for 1958

It was the most! Thanks to our many friends, we have just concluded the greatest shipping season in our history. Believe us, we're glad it's over!

Prospects for another bumper crop this year are excellent. Our supply of "Pink Favorite"—which was depleted in a hurry this year—has been tremendously increased and should be ample for the 1958 season.

P&D INTRODUCTIONS

PINK FAVORITE Pat. No. 1523. Exhibition hybrid tea of deep rich pink. New type disease-resistant foliage. Gold Medal Winner in 1957.

BURNABY Pat. No. 1314. Exhibition hybrid tea with large classic buds of empire yellow. Gold Medal Winner in U. S. and England.

FORT VANCOUVER Pat. No. 994. Hybrid tea of light clear pink. Excellent fragrance.

THE DUKE Pat. No. 1522. Huge new bi-color hybrid tea of carmine red splashed with gold.

AMY Pat. No. 1455. Hardy floribunda of rich satin pink. Compact bush of medium height.

NEW FOR 1958

BLACK BEAUTY Pat. Applied For. New red hybrid tea. Color is so deep and rich it appears to be almost black.

ENCORE Pat. Applied For. Delightful new floribunda of shimmering silver pink. New type disease-resistant foliage.

P&D "Super Strain" Multiflora

(above) The secret strength of P&D Roses is in the superior Multiflora Root that has been developed after more than 20 years of careful selection. All P&D Roses are budded on this "Super Strain" Multiflora Root.

EASTERN NURSERYMEN: Please contact Frank C. Donovan, 130 E. 233rd St., Euclid, Ohio.



Charter Member

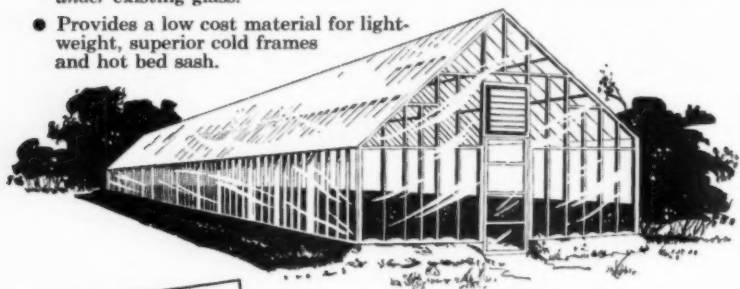
OREGON'S BEST SOURCE OF GOOD ROSES

"THE FINEST ANYWHERE"



The lasting greenhouse glass replacement product

- Produces *better* crops than possible under glass.
- Permanent greenhouses can be built at a fraction of the cost of glass construction.
- Allows outdoor growers the opportunity to grow inside at low cost.
- Guarantees astonishing fuel savings when used as an insulating layer under existing glass.
- Provides a low cost material for lightweight, superior cold frames and hot bed sash.



SISAL-GLAZE

beats glass and ordinary plastics 7 ways:

1. Minimum 10-year life — indicated by scientific tests.
2. Maximum ultraviolet and infrared transmission.
3. No "sunburn" after transplanting outdoors.
4. Big fuel savings from reduced heat loss.
5. Cuts labor construction costs.
6. No sagging.
7. Low cost means more growing acreage per dollar invested.

Caution: As Sisal-Glaze is *not* a temporary material, a soundly designed permanent structure must be utilized for best results.

For complete information, supply source, and sample, write . . .
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American SISALKRAFT Corporation

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Chicago 6

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San Francisco 5

Sunday, June 2, are devoted to registration and an informal gathering. The program continues as follows:

MONDAY, JUNE 3

Jay O. Herring, Golden State Nurseries, Atlanta, Ga., president of the Georgia State Nurserymen's Association, presiding.

Opening session; announcements, appointments and reports.

"Hollies and Equipment, New Ideas with Slides," by F. C. Galle, Ida Cason Callaway Gardens, Chipley.

Address by W. E. Blasingame, director, department of entomology, state of Georgia.

Address by E. E. Meredith, administrative assistant, American Association of Nurserymen, Washington, D. C.

Lunch.

Gerald Smith, extension service, Athens, presiding.

"The New Look in Nurseries: Container-grown Nursery Stock," by W. W. Rennie, E. I. du Pont de Nemours & Co., Inc., Baltimore, Md.

"Pruning and Maintenance of Nursery Stock," panel discussion, moderated by F. E. Johnstone, Jr., chairman, division of horticulture, University of Georgia, Athens. Panel members: Norman C. Butts, Atlanta; Sam Pettyjohn, Pettyjohn Nursery, Bainbridge, and Otis Woodard, state department of horticulture, Tifton.

"New Developments in Nursery Research of the University," by D. V. Sweet, University of Georgia.

Open house, Patterson Nursery, Albany.

TUESDAY, JUNE 4

Jay O. Herring presiding.

A. A. N. breakfast (Dutch treat) for members only.

Business session.

"Southern Turf Grasses," panel discussion, moderated by Glen Burton, state division of agronomy, Tifton. Panel members: R. Jensen, Southern Turf Nurseries, Tifton; George McClure, H. G. Hastings Seed Co., Atlanta, and D. V. Sweet.

Lunch.

F. E. Johnstone, Jr., presiding.

"Nematode Control," by Roy A. Bowden, department of horticulture, University of Georgia.

"The Financing and Management of a Nursery Business," panel discussion, moderated by John T. Harris, research department, Federal Reserve Bank of Atlanta. Panel members: L. C. Curtis, department of horticulture, University of Georgia; Lester C. Helm, Fruitland Nurseries, Augusta, and John Wight, Wight Nurseries, Inc., Cairo.

"Latest Recommendations for Disease Control of Azaleas and Camellias," by D. L. Gill, coastal plain experiment station, Tifton.

"Evaluation of This Short Course from My Viewpoint," by three nurserymen to be selected from those attending.

Informal buffet supper; entertainment.

MAIL-ORDER MEETING

The Eastern Regional Mail Order Nurserymen's Association will hold its summer meeting June 12 and 13. The group urges members to bring their families, promising entertainment for all at the event, which is to

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BULBS FOR FALL, 1957

SPECIAL PACK COLLECTIONS



You save up to 10%

Especially designed for those who have not handled Dutch bulbs previously. Save money by buying your bulbs in these collections.

COLLECTION NO. 1

650 Tulips **\$24.00**
(List price \$25.30)

- 200 Bartigon, red
- 100 Golden Harvest, yellow
- 100 Princess Elizabeth, pink
- 50 White Queen, white
- 50 Dillenburg, orange
- 50 Queen of the Night, deep purple
- 100 Mixed colors, all shades

650 bulbs; cost \$24.00; sell for \$40.00.
(Retail for 75c per dozen. Your markup, 40%)

COLLECTION NO. 2

1000 Bulbs **\$31.00**
(List price \$32.65)

- 450 Tulips (same assortment as in Collection No. 1)
- 100 Daffodils King Alfred—(Retail at \$1.00 dozen)
- 250 Crocus, mixed colors—(Retail at 40c doz.)

1000 Bulbs; cost \$31.00; sell for \$61.50.
(Your markup, 49%)

ALL THE ABOVE BULBS ARE PACKED IN SACKS WITH PICTURES OF THE BLOOM IN COLOR. COLORFUL DISPLAY POSTER FURNISHED WITH EACH ORDER. RESERVE YOUR BULBS NOW FOR SHIPMENT IN SEPTEMBER.

We feature a complete line of imported fall bulbs. If you do not have our price list, we will be glad to send one on request.

WILLIS NURSERY COMPANY

"Your Wholesale Nurserymen"
OTTAWA, KANSAS

Imported from Holland.

Reserve your order now for early fall delivery.

The Easy Way
to Sell Tulips—

WILLIS' Improved TULIP DISPLAY BOX

25 Dozen (300) First-Size
DUTCH TULIP BULBS

in 6 most popular varieties

- Bartigon, bright red.
- Golden Harvest, yellow
- Princess Elizabeth, pink.
- Dillenburg, salmon-orange.
- The Black Tulip, darkest shade
- White Queen, pure white.



Packed in a strong, sunny-yellow display box, beautifully embossed and decorated in bright, attention-getting red. Shows up wonderfully in both daylight and artificial light.

COST—\$14.00 per box, F.O.B. Ottawa, Kan.

SELLS FOR \$25.00 to \$30.00 (10c each or as low as \$1.00 per dozen).

MARKUP—44 to 53 per cent.

DELIVERY—September.

SELLING SEASON—September to December.

PICTURES—Full-color pictures illustrate each variety.

TO DISPLAY—Just open the box and place on counter.

PLANTING INSTRUCTIONS—Enough for every customer.

Box 9 1/4 x 6 x 20 ins. Takes only 195 sq. ins. of counter space.



READ THIS STATEMENT

"We have been buying from Burr for a number of years and they have consistently supplied us with the very finest of materials and have been most cooperative and helpful. We feel that we are offering our customers the best when we give them Burr stock."

Carl Weidner
The Saiter-Morgan Co.
Vincennes, Ind.

Whether you're just starting a garden mart or you have been established for years, we think that we can offer you products and services that will help you where it counts—the profit column.

We believe you'll agree these are good reasons to BUY BURR:

1. Plants of the highest quality.
2. The finest packaging in the industry.
3. Professional, expert (but low-pressure) sales counsel.
4. Profit-producing sales aids, including ad mats, wall hangers, litho books, display ideas, etc.



BURR
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C. R. Burr & Co., Inc.
Manchester, Connecticut
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take place at the new Harrison Hall hotel, facing the Atlantic ocean at Ocean City, Md.

AGENDA FOR MISSOURI

Although final confirmations have yet to be received from some speakers sought by the Missouri State Nurserymen's Association for its short course program, a tentative schedule has been released for the meeting, which will be held June 19 and 20 at the University of Missouri, Columbia.

According to D. F. Millikan, University of Missouri, acting secretary of the association, plans call for the meeting to open on Wednesday, June 19, with a welcome by the dean of agriculture of the university, Dr. J. H. Longwell. A panel discussion on nutrition of ornamental and nursery crops, with particular emphasis on minor elements, will then be led by Dr. A. D. Hibbard, professor of horticulture. He will be assisted on the panel by Dr. C. E. Marshall (tentative) and Dr. J. Levitt, both of the university faculty. Dr. Karl Sax, of the Arnold Arboretum, Jamaica Plain, Mass., will then talk on the propagation of ornamentals.

On the Wednesday afternoon program, J. S. Williamson, commissioner of agriculture, and Julius Anderson, Missouri state entomologist, Jefferson City, are scheduled to speak. Dr. Sax will return to give a talk on his collection of ornamentals and their possibilities for use in the nursery trade. Vernon Perry, of the United States Department of Agriculture, will discuss nematodes. Wilkerson Nursery, Moberly, Mo., will be host during the evening for the annual barbecue.

A talk on advertising by a representative of Potts-Woodbury, Kansas City, Mo., will open Thursday morning's session, which will continue, after a coffee period, with a discussion of merchandising by Paul Terry, of the Kroger Co., St. Louis, Mo. A business meeting with election of officers in the afternoon will conclude the program.

NATIONAL ROSE SHOW

Hundreds of rose lovers from throughout the United States will gather at Milwaukee, Wis., June 20 to 22 for the American Rose Society's annual spring convention and national rose show at the Schroeder hotel. During the convention, an interesting glimpse of roses in Europe will be presented by Charles W. Gregory, managing director of C. Gregory & Son, Ltd., Nurseries,

"A friendly, efficient sales service"

E. D. ROBINSON SALES AGENCY

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WALLINGFORD, CONN.

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ORNAMENTAL EVERGREENS

Trees and Shrubs

BAGATELLE NURSERY

P. O. Huntington Station, N. Y.

FOR 57 YEARS

Our business has been growing

Rhododendrons

Azaleas

Perennials, Roses

All Nursery Items

BOBBINK NURSERIES, INC.

586 Paterson Ave.

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NORTHERN-COLLECTED

Hemlocks, Ferns, Wild Flowers,
Trees, Shrubs.

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EVERGREEN TREE LINING-OUT STOCK

Write for free price list.

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Eliminate costly hand labor... do your landscaping the modern way!



The **YORK RAKE** Model RE does these jobs better...faster!



Rakes stones, roots and debris



Grades, levels and mulches soil



Reverses for bulldozing



Spreads stone and gravel

One man operating a York Rake can do more work in a few hours than a crew of men can accomplish in a whole day when they do the job by hand! The York Rake is practically the only tool you need to do every landscaping job from rough grading to final raking. You save on labor . . . you save buying extra tools, and you save the time and bother of bringing a lot of equipment to and from every job. Owners tell us — "The York Rake paid for itself on the first job!"

Sturdy... easy to adjust and operate

The York Rake is built for rugged service. The teeth are heavy-duty alloy spring steel, individually mounted on spring steel heads. The spacing between the teeth provides an ideal screening action for the most efficient raking. The Rake can be quickly adjusted to 5 forward and 5 reverse positions to give the proper raking angle for every type of working condition. The operator can raise, lower and tilt the Rake from the tractor seat. Model RE fits all tractors with a standard 3-point hitch. Smaller, lighter models for use with I.H.C. Cub, Lo-Boy and 100 Fast Hitch, Massey-Harris Pony and Pacer Tractors.

Write for descriptive folder and prices—

Get the complete story on this versatile, profitable tool NOW!

Write to Department AN-2

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MODERN CORPORATION
UNADILLA, NEW YORK

PROTECT NURSERY SEEDLINGS

from weed competition
during vulnerable period



with ALANAP

One application gives excellent control of annual weeds from 3 to 8 weeks, even after heavy rains. Alanap is non-hazardous to humans or animals.

Guard your nursery plantings with Alanap. It's Naugatuck's remarkable new selective weed killer that has proved itself nationwide.

Apply Alanap by directed spray after transplanting and annual weeds are killed as they start to sprout. Hand-weeding costs are largely eliminated!

What's more, where Alanap is sprayed, the nursery plantings in most cases are actually bigger and healthier.

Order Alanap from your local supplier today. Write, wire or phone us if unable to locate immediate source of supply.



United States Rubber

Naugatuck Chemical Division

Naugatuck, Connecticut

producers of seed protectants, fungicides, miticides, insecticides, growth retardants, herbicides: Spergon, Phygol, Aramite, Synklor, MH, Alanap, Duraset.

of Chilwell, Nottingham, England, and Jean Gaujard, owner of the 100-year-old Roseaies Pernet-Ducher, at Feyzin, Isere, France.

Other distinguished speakers on the 3-day agenda include Earl K. Wade, University of Wisconsin extension pathologist, speaking on "Fungicides and Soil Fumigants"; Eugene C. Boerner, noted rose hybridizer associated with Jackson & Perkins Co., Newark, N. Y., discussing "Floribundas Today and Tomorrow," and Mrs. May T. Watts, author and staff naturalist for the Morton Arboretum, Lisle, Ill., describing our changing gardens.

Blooms from rosebushes planted in Milwaukee as long ago as 1843 will be a feature attraction at the rose show. Rose exhibitors from all parts of the country will vie for the Nicholson perpetual challenge bowl, one of the five top national trophies awarded by the society, in addition to the society's J. Horace McFarland memorial district trophy and numerous local honors. Many rosarians will attend a scheduled school designed to help them become accredited rose judges.

JOINT MICHIGAN MEET

A 3-day bus trip to Michigan nurseries, beginning the day after meeting sessions end, will be an optional feature of the joint meeting of the Michigan Association of Nurserymen and the Michigan Landscape Conference, which will be held, in cooperation with Michigan State University, August 6 and 7 at Kellogg Center on the university's campus at East Lansing.

After registration Tuesday morning, August 6, the program continues as follows:

Chairman: Dr. Fred S. Widmoyer, M. S. U.

"Our System of Operation," by William Siebold and Frank Knight, Siebold & Knight Landscape Service, Fort Wayne, Ind.

Luncheon.

TUESDAY AFTERNOON

Chairman: Dr. Harold Davidson, department of horticulture, M. S. U.

"Off-campus Education," by Durward B. Varner, vice-president, Michigan State University.

"Plans for Affiliation of Nursery Groups," by John Light, Light's Tree Co., Inc., Richland, Mich.

Business meeting, Michigan Association of Nurserymen; J. Joseph Polco, Ilgenfritz Nurseries, Inc., Detroit, M. A. N. president, presiding.

Business meeting of the Michigan Landscape Conference, with John Emerson, Emerson Nursery, East Lansing, M. I. C. president, presiding.

TUESDAY EVENING

Barbecue. Hospitality committee for this event will be composed of Mr. and



Reserve space now for a large, attention-getting ad. Make sure your firm will not be overlooked.

NEED HELP
WITH YOUR
LAYOUT?

WANT CUTS
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ARTWORK
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WE'LL BE GLAD TO
HELP . . . BUT SEND
US THESE SPECIAL
REQUESTS NOW!

LAST FORMS FOR
THE SPECIAL ISSUE
CLOSE ON JUNE 20

PLAN YOUR CONVENTION AD NOW AND MAIL YOUR INSTRUCTIONS EARLY. Because of the tremendous amount of work involved in preparation of this special issue and the heavy volume of advertising orders we receive for it, we suggest you get your copy to us by June 10 to be sure of receiving proofs for approval prior to publication.

Here's a sales opportunity you can't afford to miss . . .

1957 SPECIAL A. A. N. CONVENTION NUMBER

— marking the 82nd annual convention of the A. A. N. at Miami Beach, Fla., July 21-25

What's so special about the A. A. N. Convention Number to be published July 15?

- It is the American Nurseryman's annual salute to the American Association of Nurserymen—most important trade group in the nursery industry.
- It is timed to reach the trade just prior to the biggest convention held in the nursery industry.
- It's the only *special* issue of the American Nurseryman published during the year—with specially prepared editorial material on the convention program, committee chairmen, sight-seeing attractions in the convention city, importance of that area to the nursery industry and lots more.
- It is always the largest and finest issue of the year, carrying four-color advertising throughout and covers in full color also.
- It contains such a volume of advertising that readers retain it for year-round reference when buying decisions are to be made.
- It will receive peak readership—and you will profit by having a large and eye-catching advertisement in it.

Send your advertising instructions for the
**JULY 15 SPECIAL A. A. N.
CONVENTION NUMBER to**

AMERICAN NURSERYMAN

343 S. Dearborn St. • Chicago 4, Ill.

200,000 HARDY AZALEAS FOR SPRING DELIVERY

B&B, fine selection in the following
varieties:

Rosebud
Rose Greely
Carmen
Fedora
Louise
Othello
Salmon Beauty
Coral Bells

Favorite
Hinodegiri
Maxwell
Orange Beauty
Snow
Beethoven
Johann Strauss
Ledifolia Alba

Some varieties up to 3 ft. Please write for prices.

BAIER LUSTGARTEN NURSERIES

MIDDLE ISLAND, L. I., N. Y.

J & P

EVERGREENS
SHADE TREES

SHRUBS, VINES
HEDGE PLANTS, etc.

In good assortment.

Jackson & Perkins Co.
NEWARK, NEW YORK STATE

HYBRID RHODODENDRONS

Evergreens,
Ornamental Trees
and Shrubs

SEPERS NURSERY

N. Delsea Drive
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HEMLOCK

Rhododendron—Kalmia
Azalea

CURTIS NURSERIES

CALICOON, N. Y.

HOLLIES

One of the most complete collections
of the better named varieties of Amer-
ican and English holly, 3 to 6-inch pots.
Field plants, 2 to 5 ft. Send for list.

ANGELICA NURSERIES

R. D. 1 MOHNTON, PA.

Pronouncing Dictionary

of Plant Names and Botanical Terms
64 pages 3000 names. 25¢ per copy
AMERICAN NURSERYMAN

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HESS' NURSERIES LINING-OUT STOCK

Mountain View, New Jersey

20 MILLION TREES A YEAR!

FREE
Catalog
Evergreen Seedlings—Transplants.
Fruit and Shade Trees, Shrubs and
Rhododendrons

Free Christmas Tree Growers' Guide

MUSSER FORESTS, Box 16-F Indiana, Pa.

AMERICAN
Hollies
LINERS
Send for Information
WHOLESALE PRICE LIST
READY FOR MAILING
Native American Holly Farms
115 S. PENN ST. MANHEIM, PA.

AZALEAS AND HEDGE PLANTS

Splendid stock.
Write for Price List.

DIAMOND STATE NURSERIES
MILFORD, DEL.

Mrs. Louis Gaynor, Gaynor Acres Nur-
ery, Birch Run; Mr. and Mrs. Gerald
Kluck, Walter Kluck Nursery, Saginaw;
Mr. and Mrs. George Ward, George E.
Ward Landscape Service, Bay City, and
Mr. and Mrs. Robert Graham, Graham's
Nursery, Saginaw.

Discussion session; Harold Hicks, Cot-
tage Gardens, Lansing, moderator. Topics
to be introduced by panel members are
"Peat Baling," by Lester Begick, Begick
Nursery, Bay City; "B&B Material," by
George Young, George E. Young Nur-
ery, Oak Park, and "Potted Material,"
by Peter Christensen, Plymouth Nursery,
Livonia. General discussion of nursery
problems will then be held.

WEDNESDAY MORNING

Research committee breakfast.

"To Incorporate or Not," by Zolman
Kavitch, of the law school of Western
Reserve University, Cleveland, O., and
Grossman Schlesinger & Carter, Cleve-
land.

"Recent Research Findings," by Don-
ald P. Watson, Fred B. Widmoyer, Har-
old Davidson and Richard Nuttall, of
the M. S. U. faculty. (This and the two
following discussions will be held concu-
rently.)

"Profit-sharing Plans," by Zolman Ka-
vitch.

"Landscape Nursery Management," by
William Siebold and Frank Knight.

Luncheon; address by Senator Charles
E. Potter.

WEDNESDAY AFTERNOON

Chairmen: Richard Nuttall and Robert
Noethen, Cottage Gardens.

Nursery tour of Cottage Gardens
branch farm.

Supper.

"Horticulture in Caracas, Venezuela,"
by Mr. and Mrs. Alfred Goldner, Gold-
ner-Walsh, Birmingham.

A separate program for ladies,
planned by Mrs. Ted Smith and her
committee, Mrs. Louis Gaynor, Mrs.
Robert Graham, Mrs. Gerald Kluck
and Mrs. George Ward, features a
flower arrangement workshop di-
rected by Mrs. Harold Hicks Tues-
day morning and a special breakfast
Wednesday morning, at which Mrs.
Donald Watson, Mrs. Harold David-
son and Mrs. Richard Nuttall will
act as hostesses. A demonstration
of new kitchen equipment will be
presented after the breakfast.

FLORIDA COURSE PLANS

The annual short course of the
Florida Nurserymen and Growers
Association will be held again this
year at the University of Florida,
Gainesville. According to S. A. Rose,
of the university faculty, the nurs-
erymen have decided on August 21
to 23 as the dates for the event.

KENTUCKY ARRANGEMENTS

Howard G. Tilson, deputy state
entomologist at the University of
Kentucky, Lexington, announces
that lodging arrangements have been
made at the Terrace motel, Hender-

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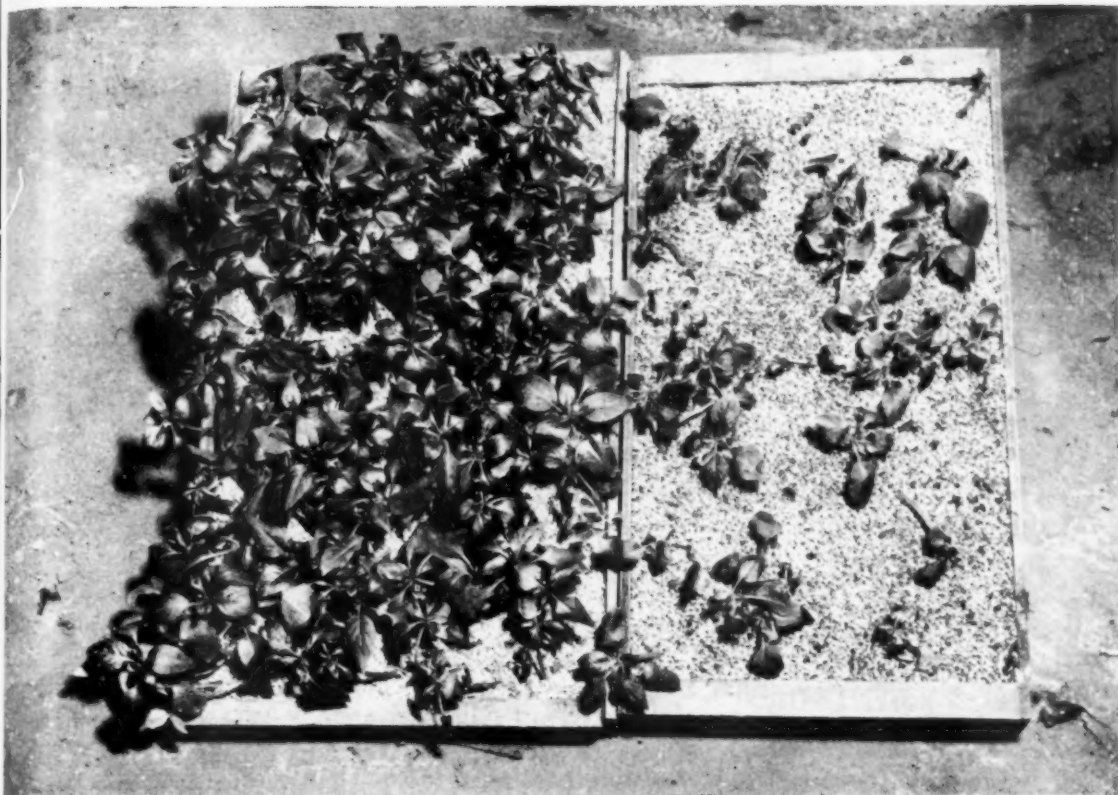
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Flat at left was treated with PANO-DRENCH. Dead and diseased plants in untreated flat were removed before this photo was taken.

Same Stock, Same Planting Date ...

Pano-drench made the difference!

Starting with the same stock, the same planting date, and the same growing medium, Seday's Garden Greenhouse of Waukegan, Illinois made their own tests on PANO-DRENCH last fall. And the photo above, shows the dramatic results.

The cuttings were *Impatiens* of a dwarf variety. Both flats contained vermiculite. The treated flat was thoroughly soaked with a PANO-DRENCH solution and drained for two hours before the cuttings were stuck.

Twenty-three days later this photo was made. There hadn't been a single loss in the 90 cuttings stuck in the treated flat. The untreated flat had

only 34 cuttings left of the 80 originally stuck.

Tests like this one have been conducted by greenhouse men all over the country. These tests prove that PANO-DRENCH stops costly disease losses for pennies per flat. This powerful soil drench protects seedlings, transplants, and cuttings from damping-off, stem rot, and other diseases. It also prolongs the disease control obtained from steam or fumigant sterilization without chemical injury to the plants. PANO-DRENCH is easy to apply, too ... a sprinkling can is all you'll need.

Test PANO-DRENCH effectiveness yourself. PANO-DRENCH is available from most distributors.



AMAZING ROOT DEVELOPMENT of *Euonymus fortunei* vegetus grown in PANO-DRENCH treated beds at a Woodstock, Illinois greenhouse. Stuck ten weeks, only 15 plants were lost out of 1835. (Normal loss expectancy is 20-25%.) Further proof that it pays well to treat soil with PANO-DRENCH.

Pano-drench

A PRODUCT OF PANOGEN, INC.
RINGWOOD, ILLINOIS
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BIG

We have one of the
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plies of big specimen
material, including:

TAXUS REPANDENS

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- ILEX OPACA
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son, Ky., for the Kentucky State Nurserymen's Association members who will attend the association's summer meeting June 25 and 26. The meeting will be held at Audubon state park, Henderson.

ILLINOIS SUMMER MEET

Elmer Spencer, Nurseryman, Springfield, Ill., president of the Illinois State Nurserymen's Association, announces that the group will hold a summer meeting at the University of Illinois June 26 and 27. A large attendance is expected at this educational conference, which is the first meeting of its kind to be held by the association in several years. The program is being arranged by the university in cooperation with an I.S.M.A. committee headed by James Moorhead, Moorhead's Hillside Nursery, Poplar Grove.

Though meeting plans are not complete, discussion topics will include mist propagation, diseases and insects, highway landscaping, landscape design and weed control.

CANADIANS SET DATES

The dates for the 10th annual short course of the Canadian Association of Nurserymen are July 29 and 30. Glen Peister, of McLean, Peister, Ltd., Kitchener, Ont., chairman of the short course committee, announced recently that the meeting would be held at the Ontario Agricultural College, Guelph, Ont. No details of the course have been confirmed, but a tour of inspection of the Royal Botanical Gardens at Hamilton is among the tentative arrangements.

SOUTH FLORIDA COURSE

Scheduled for June 6 and 7, the south Florida nurserymen's short course, except for a field trip, will be held in the vocational agricultural school building, 1895 North West 95th street, Miami. There will be no evening sessions. Assistant county agent Douglas Knapp arranged the program and will be coordinator and moderator during the course.

The opening session, starting at 9:30 a. m. June 6, will be devoted to the topic, "Nursery Propagation Practices." Speakers will be S. A. Rose, assistant ornamental horticulturist, of the agricultural extension service of the University of Florida, and Roy Nelson, University of Miami experimental farm.

The first part of the afternoon program June 6 is given to the subject of "Landscape Practices and Principles," by Dr. E. W. McElwee, orna-



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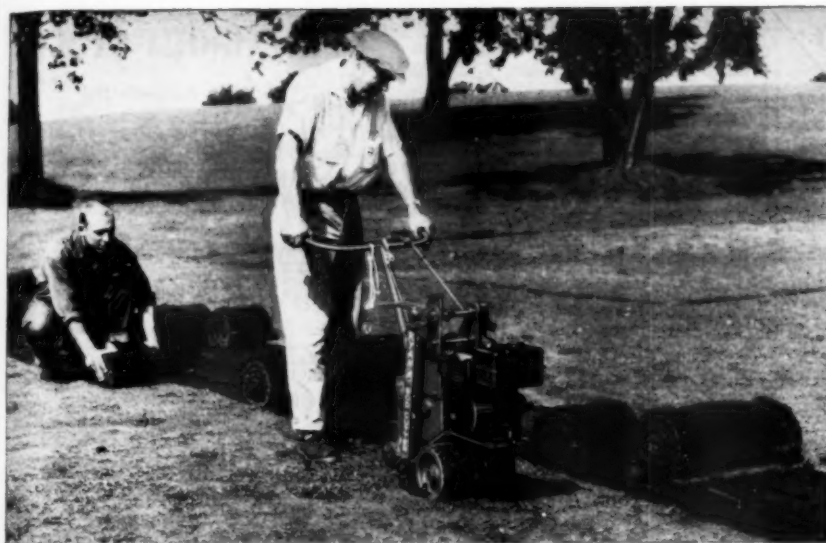
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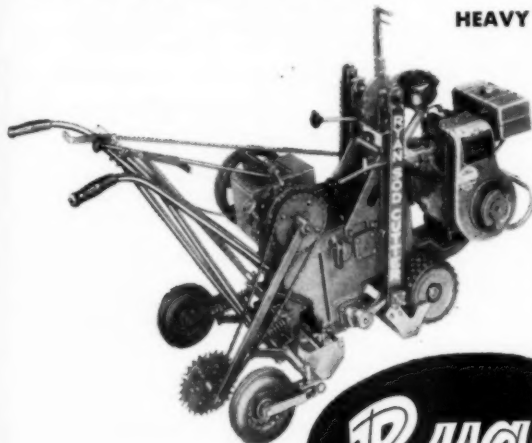
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mental horticulturist, agricultural extension service. In the second part of the afternoon session, Dr. McElwee and another speaker will discuss "Nursery Management Practices."

Friday morning, June 7, there will be a field trip to Miami Beach, where the group will inspect landscaping at the Hotel Fontainebleau and the Americana hotel, as well as at some of the city's homes.

The first subject at the afternoon meeting will be "Estimating Cost and Cost Accounting." C. C. Moxley, economist with the Florida agricultural extension service, will be the speaker.

Plant materials used for landscaping in south Florida will also be discussed Friday afternoon. Dr. Bruce Ledin, of the subtropical experiment station, will talk on the use of fruit trees in landscaping. Robert Wilson, Fantastic Gardens, South Miami, will speak on the use of foliage plants to accent landscaping. The concluding session will provide a question and answer period.

KRAFT SENTENCED

Reported in the May News Letter of the American Association of Nurserymen is the latest court action with reference to Edwin A. Kraft, trading as Glad Gardens, Canterbury Gardens and National Radio Advertising Co., at Seattle, Wash.; Garden Folks, at Whittier, Calif., and Kraft Advertising Co. and La Monica Pottery Co., at Los Angeles, Calif.

In 1955, as operator of Seminole Gardens, St. Paul, Minn., Kraft received a jury trial in Federal court and was found guilty of mail fraud and was ordered to be imprisoned for five years and to pay \$2,000 fine. He appealed the case.

In November, 1956, the eighth circuit court of appeals at St. Louis, Mo., granted a new trial. March 25, 1957, on a special plea, the court set a \$500 committed fine on each of two counts, suspended imposition of a jail sentence and placed Kraft on probation for five years, on the condition he would make full restitution.

All claims for restitution must be submitted to the U. S. Probation Officer, Federal building, Los Angeles, Calif.

CONNECTED with Stony Brook Village Corp., a housing development enterprise, Westbridge Nurseries Co., 30 Alwin street, Hyde Park, Mass., will grow shrubs and trees to sell wholesale, according to Mark Rosenfelt, president.

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THIS BUSINESS OF OURS

Reflections on the Problems of Nurserymen

By E. Sam Hemming

MORE COMMON SHRUBS

After the forsythias and spiraeas mentioned in a preceding article, the weigelas are probably the most popular common flowering shrubs with both nurserymen and gardeners. They deserve their popularity, for they are hardy and easy to grow, and their graceful habit of growth makes them easy to use in the landscape. The color of the flowers ranges from pure white through light and deep pink to red. Much hybridization has been done among the weigelas, resulting in some attractive red-flowering varieties which have a tendency to repeat bloom. There are a number of species of weigela in horticulture, but most of them are varieties of *W. florida*, more familiar to nurserymen as *W. rosea* or *amabilis*. (While this article is not the place for a discussion of nomenclature, nurserymen could well follow "Standardized Plant Names" more closely when dealing with this genus, as there is still some confusion over its species and varieties.) Since most of the weigelas are robust in growth, they are usually best planted in shrub borders or in screen plantings.

Value of Association

I mentioned once that some plants become associated unfairly with certain periods or fashions, with the result that they become typed; the canna is an example. Sometimes the effect is beneficial, as in the case of philadelphus, or mock orange, which is widely associated with weddings, so that its popularity remains constant. In addition, at least one species, *P. virginialis*, and its varieties have pleasant fragrance which appeals to almost everyone. There are many species of philadelphus, but *P. virginialis*, *grandiflorus* and *coronarius* are the principal ones found in horticulture. As plants they have some deficiencies. The habit is stiff and upright, and the foliage is rather sparse, nondescript and a grayish green in color. The flowers are white and either single or semidouble, usually borne in enough profusion to make a show, without rivaling the display of the pearl bush. Here, again, the plant's habit limits its usefulness to borders and to plantings used as foils for evergreens.

The deutzias, too, are numerous as

to species, although I have grown only four of them. The large-growing upright ones do not appeal to me, as their habit and foliage are similar to those of the philadelphus, with the white and pale pink flowers seemingly lost among the foliage. But the little slender deutzia, *Deutzia gracilis*, is one of my favorite deciduous plants. Rarely growing over three feet high, it has a graceful pendulous habit, with the foliage a medium green. The flowers, too, are borne profusely enough to make a real show. Since I am particularly fond of this shrub, I often use it where a low deciduous hedge is called for. It is also attractively used as a foil among yews, particularly in spots where azaleas will not survive.

We have a deutzia sent us from the United States Department of Agriculture that should have a certain measure of popularity. It has a soft pink flower darker than the

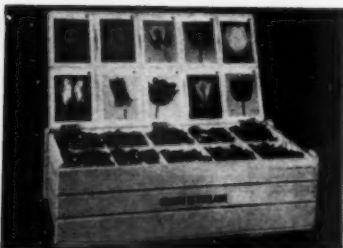
usual deutzia pinks, although the other qualities are typical.

Forms of Hydrangea

For horticultural purposes, there are two types of hydrangea, the woody forms and the semiherbaceous forms, although they are not so classed botanically. The woody forms are plants that were almost typed and associated with the 1890's; these are *H. arborescens* and *H. paniculata*, both of which have showy white panicles of flowers that will always assure them at least modest popularity. Among the woody hydrangeas these are the common shrubs. *H. quercifolia* does not have the qualities to make it really popular. The large, coarse foliage and the white flowers arouse curiosity and speculation in the gardener but not enthusiasm.

The blue and pink hydrangeas, nearly all clones or varieties of *H. macrophylla*, are in a class by themselves. Their popularity is augmented by florists' extensive use of them as forcing plants. This use tends to associate the plants with the idea of gifts. Another fortunate association may arise from their ability to thrive at the seashore where so many plants fail. Obviously, the pleasant association of vacation enjoyment

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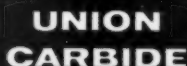
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<i>Pyracantha coccinea lalandi</i> 2-in. pots	22.50	200.00
<i>Taxus hicksii</i> , 2 1/4-in. pots, 4 to 8 ins.	22.50	200.00
Two-Year Potted Stock, Cutting-Grown		
<i>Buxus sempervirens</i> , 2 1/4-in. pots, 6 to 8 ins.	27.50	225.00
<i>Juniperus hetzi</i> , 2 1/4-in. pots, 6 to 8 ins.	22.50	200.00
<i>Pyracantha pauciflora</i> , 2-in. pots, 3 to 6 ins.	22.50
<i>Pyracantha royalcena</i> , 2-in. pots, 3 to 6 ins.	22.50
<i>Taxus cuspidata</i> , 2-in. pots, 6 to 9 ins.	20.00	180.00
<i>Taxus cuspidata</i> , 2 1/4-in. pots, 6 to 9 ins.	22.50	200.00
<i>Taxus hicksii</i> , 2 1/4-in. pots, 6 to 8 ins.	25.00	225.00
Transplanted Stock under Lath. Bare Roots.		
<i>Taxus cuspidata</i> , 1-yr., 6 to 8 ins.	32.50	300.00
<i>Taxus cuspidata</i> , 2-yr., 8 to 10 ins.	37.50	350.00

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EATON, OHIO**PHILADELPHUS AUREUS**

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KINGWOOD NURSERIES
MENTOR, O.

with the show and color of these plants would have a favorable effect. It is also the only common shrub that flowers late in the summer when there is a general dearth of bloom. The color, varying from pink to blue, is an added attraction and is determined by the soil composition, the presence of aluminum producing the blue color.

A. A. R. S. CONTEST WINNER

All-America Rose Selections announced that Mrs. Roy Underwood, East Lansing, Mich., had won an all-expense-paid trip to Paris by submitting the winning entry in the national A. A. R. S. essay contest.

Entries from all over the United States were reviewed by a panel of judges. They were Arlene Francis, television personality; Margaret Herbst, president of the Garden Writers Association of America; Fred W. Walters, president of the American Rose Society; Clyde Stocking, president of American Association of Nurserymen, and L. A. Dean, president of All-America Rose Selections.

The contest required that entries be written in 50 words or less to finish the sentence "The A. A. R. S. system of pretesting roses from all over the world has contributed to my rose garden by . . ." and Mrs. Underwood's winning words were "... presenting all the vital information one needs in choosing a new variety. These ratings, based on the basis of relative beauty, fragrance, garden performance determined by experts in all sections of our country, give me assurance in the selection of a new rose personality."

Mrs. Underwood will spend a week in France topped by a trip to the Bagatelle gardens, where the greatest rose show of France will be taking place.

HENDERSON POST TO ROEHRS

The officers of Alec Henderson, Inc., Chicago, announce the appointment of Julius E. Roehrs as acting manager of the firm. He succeeds Frederick O. Pierce, who died April 17.

Mr. Roehrs has been active in the florists' industry for many years. His previous business connections include McHutchison & Co.; Roman J. Irwin, Inc., and the Julius Roehrs Co.

OPENED the end of last year was the Morgantown Nursery & Garden Center, Morgantown, N. C., by C. G. and H. H. Anderson.

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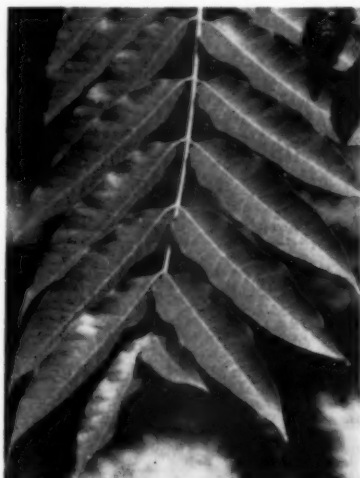
MATTHEWS NURSERY
HARBOR SPRINGS, MICH.

COVER ILLUSTRATION

Cedrela Sinensis

Most species of *cedrela* are of the tropical zone, some being evergreen where native, but *C. sinensis* is hardy enough to do well up to zone 4. Introduced from China about 1860, *C. sinensis* closely resembles *ailanthus*, but is easily distinguished from the latter by the absence of the large gland-bearing teeth at the base of the leaflets. Attaining about 50 feet, with shredding bark and compound leaves with 10 to 22 leaflets about six inches long and slightly serrate or entire, *cedrela* belongs to the mahogany family, and its wood somewhat resembles that of the cedar, the reason for its name.

While perfectly hardy under normal climatic conditions, the plants

Foliage of *Cedrela Sinensis*

in the Rochester parks could not stand the 22 degrees below zero weather experienced during the 1932-33 winter and were killed to the crown; as a result, the trees now have a fountain-like head formed by the several shoots of regrowth, which are clothed with the foliage seen on few other trees than *ailanthus* in this zone.

Not particular as to soil requirements, *Cedrela sinensis* can be grown in most of zone 4 and in protected locations of zone 3. It is an exotic tree of limited uses, but makes an interesting specimen in parks or other public plantings. The fall color is a beautiful clear yellow, rarely equaled in native species.

Gavaghan & Dobson, Rochester, N. Y., photographed the tree used for the cover illustration. J. G.

How to prepare and seed a lawn without hand labor



Here is the way the proposed 2-acre lawn looked after rough grading in the fall of 1953. Obviously there was a lot of work still to be done. Thanks to the Brillion Sure-Stand Landscape Seeder, however, it was all accomplished without any hand work — a saving in hand labor of \$210.00.



One pass over the area with the Brillion Landscape Seeder crushes all lumps...sows the seed accurately and uniformly at the rate you select...and then "tucks each seed to bed" in the top 1/4-inch of a clod-free seed bed that cuts waste and promotes high germination, healthy growth.



Here is the finished result, the following spring — a thick, heavy, vigorous lawn. Of this job the Luckow Landscape Service, Manitowoc, Wisconsin writes: "With hand labor it would have taken five men, three days at \$1.75 an hour to seed the 2-acre plot. We seeded it with one man in less than three hours with a Brillion".

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	Each 100 rate	Each 1000 rate
2000 <i>Buxus koreana</i> , 1-yr.	\$0.28	\$0.22
7000 <i>Euonymus alatus</i> , 1-yr.20	.18
1000 <i>Euonymus alatus</i> , 2-yr. ....	.28	.25
1500 <i>Euonymus alatus com-</i> <i>pactus</i> , 1-yr. ....	.20	.18
1500 <i>Euonymus radicans</i> <i>erectus</i> , 1-yr. ....	.20	.18
5000 <i>Juniperus plitseriana</i> , 1-yr. ....	.25	.22
1000 <i>Juniperus depressa</i> <i>plumosa</i> , 2-yr. ....	.28	.25
400 <i>Lonicera claveyi</i> , 1-yr. ....	.20	.18
600 <i>Magnolia soulangeana</i> , 1-yr. ....	.40	.35
1000 <i>Taxus cuspidata</i> , 2-yr. ....	.30	.28
2400 <i>Taxus hicksi</i> , light, 2-yr. ....	.28	.25
7000 <i>Taxus hicksi</i> , 2-yr. ....	.32	.30
300 <i>Taxus wellerleyana</i> , 2-yr.30	.28
400 <i>Thuja hoveyi</i> , 1-yr.22	.20
2500 <i>Thuja nigra</i> , 1-yr.22	.20

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VIRGINIA TAX DECISION

A decision in the tax case of Tankard Nurseries, Exmore, Va., vs. the Commonwealth of Virginia was recently rendered in favor of Tankard Nurseries, S. D. Tankard, Jr., reports. This decision, he adds, makes the growing and marketing of nursery stock as carried out by Tankard Nurseries the "business of farming" in the state of Virginia, with regard to taxes on "Capital Not Otherwise Taxed." It marks another milestone on the road to establishing the growing and marketing of nursery stock as farming.

Mr. Tankard provides details of the case as follows:

"The case was heard before Judge Jeff Walter in the November, 1956, term of Circuit (Superior) court of Northampton county, the state being represented by an assistant attorney general. The Tankards sought to be relieved from an assessment of the tax named, penalties and interest for the years 1951, 1952, 1953 and 1954, the amount involved being about \$1,100. The law exempted 'the business of farming' from the tax, and the question before the court was whether or not the growing and marketing of Tankard's nursery stock constituted 'the business of farming.' The state readily agreed it was 'agricultural business,' but contended it was not 'the business of farming' in the 'generally accepted sense of the word.' The Tankards, of course, maintained that it was farming, and the judge agreed. After reserving judgment, he entered an order to that effect early last month. The state did not appeal the decision."

Thus the test case affecting nurserymen not only in Virginia, but perhaps also elsewhere, has turned out favorably. It probably will enable some nurserymen of Virginia to obtain refunds of such tax payments made under protest, Mr. Tankard states.

The last session (1956) of the Virginia legislature, Mr. Tankard adds, amended the law to make certain thereafter that the growing of nursery stock was exempted as "the business of farming," but this did not affect the assessment that had been made for years prior to 1956, as was the case with Tankard Nurseries.

OPERATION of the Bartlett Landscape Co. was recently begun by Freeman S. Bartlett, Gray, Me.

OPENING of its new office, warehouse and showroom is announced by Cox & Whitmore, Inc., landscape contractor, at 1600 Providence highway, Norwood, Mass.

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	Each
Andorra Juniper Outdoor plants in full sun. 6 to 10 ins.	\$0.06
Blue Hetz Juniper 6 to 10 ins.07
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Spreading Japanese Yew 6 to 8-in. bands20
Burk Juniper, upright 6 to 10 ins., bare-root14
Forsythia Lynwood Gold Outdoor plants in full sun. 6 to 10 ins. ....	.06
Forsythia Spring Glory Outdoor plants in full sun. 6 to 10 ins. ....	.04
Euonymus coloratus Outdoor plants in full sun. 8 to 10 ins. ....	.03 1/2
Euonymus patens Small or large-leaved. Outdoor plants in full sun. 8 to 10 ins.04
Pyracantha lalandi Outdoor plants in full sun. 5 to 6 ins.05
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See classified ad under lining-out stock for other items. Less than 300, total order, add two cents per plant.

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NEWARK ROSE FESTIVAL

Presentation of the large gold medal of the Massachusetts Horticultural Society to Charles H. Perkins, president of the Jackson & Perkins Co., Newark, N. Y., will be made during the firm's 26th annual rose festival, June 16 to 30. The 17-acre plantings, containing more than 35,000 rose plants, will be viewed by 200,000 visitors this year, it is anticipated. Four new roses of the firm, including two floribundas that were All-America Rose Selections award winners, will be featured in the displays. The newly planted Betsy McCall children's garden will be opened as a part of the program, all of which marks the firm's 85th anniversary.

As usual a rose princess will be crowned in the amphitheater adjoining the rose garden the opening day of the festival. Friday, June 21, there will be a bankers' breakfast in the garden house, with a radio personality as host. Saturday, June 22, the festival of roses parade will be held in Newark and the children's garden will be dedicated. June 21 will be Roses, Inc., day; June 27, state garden club day, and June 29, American Rose Society day.

J. & P. TIME STORY

[Concluded from page 8]

zona and additional plantings near Richmond, Ind., and at Shiloh, N. J.

The Time article states that the firm began promoting floribunda roses in 1940, and today 70 per cent of its rose sales are in floribundas. Also popular are the 5-foot-tall tree roses, which cannot be grown fast enough to keep up with the orders at the Pleasanton, Calif., branch.

Although it deals chiefly in roses, the firm is a large grower of evergreens, mainly at the 800-acre Perkins-De Wilde Nursery, Shiloh, N. J. Delphinium and chrysanthemums are other specialties.

The president of the company, Charles H. Perkins, 67, has had more than half a century's experience in rose growing and selling. He was apprenticed at the age of 12 to an uncle who had started the business in 1872. Mr. Perkins bought control in 1928. After suffering losses during the depression, he broke into the mail-order field in 1940, encouraged by the then new United States plant patent law.

Celebrating its 85th anniversary this year, the Jackson & Perkins Co. is proud also of the fact that two of its new introductions, Gold Cup and Fusilier, both floribundas, were recently named All-America Rose Selections award winners for 1958.

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Due to the demand, this popular series of articles which appeared in the American Nurseryman during the past year has been printed in book form. The author has made additions to the original articles and numerous illustrations have been added. Bound in a handsome, green plastic cover and printed on heavy white enamel stock, this book is a necessity for those operating a garden center.

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PLANT NOTES HERE AND THERE

By C. W. Wood

Swamp Pink

All I have to do, when I get discouraged at the slow progress of gardening in this country, is to compare the present status of the swamp pink, *Helonias bullata*, with what it was about 75 years ago. Of course it is not yet seen so often as the lover of natives would like it to be, but its cultivation has progressed from the level that Meehan described about 1875. I quote from his "Native Flowers and Ferns of the United States": "We know of no successful attempts at cultivating it. In all the instances that have come to our knowledge, the plants dwindle from year to year, soon disappearing altogether. It is quite possible that it is a real swamp-loving plant, and may not find water enough in ordinary garden soil." It is true, as Meehan surmised, that it is a moisture lover. But in addition to moisture, I think it requires an acid soil, and a low level of acidity may have caused the trouble that Meehan reported. Anyway, modern gardeners seem to have no difficulty with it in a moist, acid soil. There it grows to a foot or slightly more in height, sending up a tuft of glossy, green, strap-shaped leaves from a tuberous root. A hollow scape bears a dense raceme of pretty rose-pink flowers in early spring. The blooming period comes before most bog plants that I know, making it especially desirable for extending the colorful season in that interesting part of the garden. Because it comes so quickly into flower after introduction into gentle heat, it makes a splendid pot plant for late winter and early spring sales.

To satisfy readers who like to know plants' economic uses (and there are many such curious folk, if my correspondence is any indication), I shall quote Meehan's comment on that score: "We do not know that the plant has been of much use to mankind," he wrote. "Lindley says that a decoction is used in obstructions of the bowels; but it is well to remember that the whole tribe of melanthaceae [as the plant was classed before botanists decided it should be in the liliaceae group] is a very poisonous one, and medical experiments with them in unskilled hands will be very dangerous."

It is easily and rapidly propagated from the offsets which are freely

produced. I sometimes read rather complicated directions in European literature for growing it from seeds, and when I do I wonder where they get the seeds; the plants never produced any in my trials.

Honesty

When a plant collects as many common names as *Lunaria annua* (*L. biennis* of the old school) has accumulated during its sojourn with gardeners, one can rest assured that it has been much loved by man. I suppose it was one of the first plants to awaken the appreciation of beauty in early European man, for it is native to that continent and its persistent, papery septums would surely attract even a savage. Anyway, it was an early garden plant and continues popular among gardeners to this day, especially in a dried state for winter bouquets. If one has space and time, he might find it profitable to grow it in quantity for fall and winter sales. I cannot refrain from

setting down the common names of the plant which I have collected during the years: Penny flower; money flower; silver plate; pricksong wort; white satin; money-in-both-pockets; monkey flower; satin pod; gold-and-silver; matrimony, and, of course, honesty.

Growing *Silene Acaulis*

Because I am not familiar with the climate of western New York, whence a reader inquires about the growing conditions needed by *Silene acaulis*, I am giving some general observations on the plant and its supposed needs. First of all, the plant has varied considerably as it has traveled over the mountains of Europe and America and spread through much of the boreal regions of these two continents. The variance occurs not so much in flower color, though that runs all the way from white through pale pink to deep rose, but in floriferousness and density of cushion. This circumstance makes it

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FRUIT ORNAMENTALS
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NEW CARLISLE, O.

difficult to give any hard and fast rules for cultivation unless one knows the origin of the material one is writing about.

It is not strange to find one gardener writing that the plant is easy to grow and is also a profuse bloomer, while another says it is difficult of culture and sparing of flowers. Beyond a doubt the conflict of these reports springs from the difference between the materials the gardeners are working with. Unfortunately, I have had few floriferous plants out of the scores that I have grown from seeds from many sources, including the Rocky mountains, New Hampshire, Quebec, Europe and Alaska. But I readily believe others when they say they have plants that bloom freely, for I have seen solid pink mounds of it on several occasions, notably in an eastern nursery several years ago.

A survey of the natural habitats of the plant will reveal that it needs cool growing conditions, and that, I am sure, is one secret of its successful culture. This far north it may be grown in full sun, if it has the root moisture it needs, but farther south it would no doubt need some shade during the middle of the day. Root moisture it does need, and, at the same time, good drainage is essential for lasting success. In my trials it performed best in a scree mixture, i.e., one made up mostly of sand and gravel. I recall, though, that one trial in a compost of sand, sifted ashes and a good dash of leaf mold was highly successful.

Some Thoughts on Baptisia

A group of legumes known to botanists as baptisia contains several interesting plants, a few of which make good garden material. One, *Baptisia australis*, is known to most commercial plant growers and especially to florists, since they have learned the value of its leaves in make-up work and in floral arrangements. Amateur arrangers, who also have been quick to learn the plant's advantages, constitute another good sales field. *Baptisia tinctoria* was used by our forefathers as a source of dye, a commercial province now taken over by the chemist and his products.

Still another species, *B. leucophaea*, or *B. bracteata*, from the dry prairies of the middle west, is waiting for garden makers to adopt it and give it a dry, sunny spot, where it can settle down to years of vigorous growth, generously producing its 1-sided racemes of cream-colored flowers during May. During the rest of the year, it will decorate its home with the usual handsome

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(*Rosa multiflora japonica*)

Conservation grade, 3 mm.

Per 1000

8 to 12 ins.	\$13.50
2/16 to 3/16-in. cal., 10 to 15 ins.	18.00
3/16 to 1/4-in. cal., 15 to 18 ins.	24.00
1/4 to 3/8-in. cal., 18 to 24 ins.	36.00

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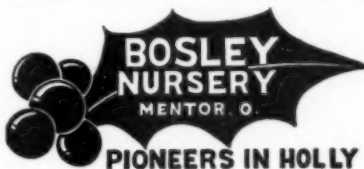


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Dune Sand, clear fawn-yel.	3.00	25.00
Evenglow, immense bronze	2.50	20.00
Mount Hood, best early white	3.00	25.00
Prairie Sunshine, early large yellow	3.50	30.00
Reverence, huge buff	2.75	22.50
Romance, 6 ins., rose-pink	2.50	20.00
Siletz, excellent bright yellow	2.00	15.00
White Masquerade, low pompon	3.00	25.00
White Spoon, unique	2.00	15.00
Yellow Avalanche, excellent pot plant	2.00	15.00

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NEWPORT NURSERY CO.
NEWPORT, MICH.

baptisia foliage. Its branches are up to 18 inches in length, but its lax, spreading growth habit usually restricts it to one foot in height. That will suggest a number of uses to the experienced gardener. It may be used in the rock garden as well as in the sunny border. Grow it from seeds, planted in spring or fall, soaking the seeds about 24 hours in warm water if they are sown in spring.

The choice of name for this species is evidently one of individual preference, because even botanists do not seem to agree on the answer. "Hortus," for instance, is noncommittal, saying only that *B. leucophaea* is "probably not distinct from *B. bracteata*."

Monkshoods

A recent request asks for methods of propagating monkshoods and for a few words on the different kinds, especially the ones that bloom in summer. As the inquirer did not say what facilities he possesses, I shall cover both seedage and division, the latter especially as applied to the cool greenhouse. Seedage is usually successful if the seeds and soils are never allowed to dry out after planting and the little seedlings are shaded from the hot sun. There are other stumbling blocks to success, however. Ordinary weeding may disturb the roots of monkshoods, setting back the plants; if the taproots are broken, it means the loss of that plant.

Division is the most satisfactory commercial method of monkshood propagation, I believe, especially if one has a cool, or even a cold, greenhouse to work with. Even with the best of luck, however, one should not normally expect more than a doubling of his stock. Healthy corms are potted up in late fall or early winter, depending upon when they go dormant, left in a coldframe until after freezing weather, then taken into a cold house where the temperature can be kept at about 30 degrees for two or three weeks. The temperature is then gradually increased to 45 degrees by early March. New corms should have matured by planting-out time, not later than late April in the latitude of Chicago, and these should be broken off and set in the field.

Monkshoods should be one of the most important summer and autumn-flowering plants. If July and August flowers are most needed, the gardener should look to *Aconitum napellus* and its varieties, though success with these will naturally lead to a trial of the autumn bloomers, such as *A. autumnale*, *A. fischeri* and its variety *wilsoni*, the last-

DISPERSAL SALE The Auten Peonies

All or part; offered because of my age (75 years). Sensational hybrids, 5 awards from Royal Horticultural Society of England. Other originations, all colors, types and seasons of bloom. Gold medal from American Peony Society. Over 200 kinds, thousands of plants. Our fields are practically free from nematodes. A rare opportunity to enter the peony business as a specialty or as an addition to present nursery line. Auten peonies sell on sight. Write for list and further information. Substantial price reductions for 1957.

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Rooted Cuttings

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REMEMBER SHERMAN'S for . . .

Alpine Currant
Hydrangea P. G.
French Lilacs
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Evergreens
Phlox
Peonies
Plum Seedlings
Lining-out Stock

Let us quote you on your requirements.

SHERMAN NURSERY CO.
CHARLES CITY, IA.

Stock that is hardy.

WHOLESALE

SUMMIT NURSERIES
STILLWATER, MINN.

FRUIT TREES

Dwarf and Standard

Send for Wholesale List

KELLY BROS. NURSERIES, INC.
Dansville, N. Y.

BEATRIX FARRAND

Forsythia

Brand-new giant-flowered forsythia developed by the Arnold Arboretum.
Pot liners, \$20.00 per 100;
\$180.00 per 1000.

BEARDSLEE NURSERY PERRY, O.



EVERGREENS

Growers of Quality Evergreens
Lining-out Stock a Specialty

Write for Trade List

EVERGREEN NURSERY CO.
Established 1864 : STURGEON BAY, WIS.



Hardy Northern-Grown Stock at WHOLESALE

JEWELL NURSERIES, Inc.

Write for Price List.

Box 457, LAKE CITY, MINN.

named being the best of all monks-hoods that I have seen.

Type napellus makes a plant three or four feet high, producing long spikes of large, dark blue, helmeted flowers during July and August. The variety bicolor is somewhat dwarfer, remaining at a height of two feet or slightly more, with the flowers variegated blue and white. Sparks variety may get as tall as the type, and its flowers of a dark blue shade are the most freely produced of any napellus variety that I know. Then there are variety album, similar to the type, except that it has white flowers, and variety carneum, with pale pink flowers. The last-named is the least effective of all, at least in the material that I have seen.

Iris Prairie Sunset

I made a note of a conversation last year that I had with a midwest neighborhood nurseryman about Iris Prairie Sunset, which I misplaced upon my return home. It just recently came to light, and I make use of it now, in part, because it contains a pertinent suggestion which I am sure could be used by other sellers at the local level. I paraphrase as follows:

"Practically all my iris sales are made from the show garden during the flowering season for delivery later. That makes it possible for me to make sales which I never could make by means of the printed word. Take Prairie Sunset, for example. How many of my customers would buy it from the printed description, in which I should have to call the color a blend of peach, rose, apricot, copper and gold? Not many. I can assure you, for I have tried it. Yet, show the actual flower to an iris fan and a sale is made. I bought the variety by sight and I sell it by sight, as I do many of my other plants, including chrysanthemums and day lilies."

Thoughts on Scarlet Sage

The following notes on the scarlet sage may help others in planning their schedule for next year:

If dwarfness (about 10 inches)

CHINESE ELM SEED

New Crop Ready for Immediate Delivery

	Per lb.
1 to 5 lbs.	\$1.40
6 to 10 lbs.	1.25
Over 10 lbs.	1.10

This seed tests very well.

A high percentage will germinate.

McCANCE NURSERIES

Rt. 3, North Platte, Neb.

HEAVY EUONYMUS LINERS

	100	1000
Radicans		
2-yr., 2 1/4-in. pots	\$20.00	\$150.00
Radicans coloratus		
2-yr., 2 1/4-in. pots	20.00	175.00

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Over 100 Years' Nursery Experience

ILGENFRITZ NURSERIES, Inc.

The Monroe Nursery
MONROE, MICHIGAN
GET THE BEST. BUY ILGENFRITZ

GOLDEN VICARY PRIVET

Lovely, solid, golden-leaved variety. Extremely adaptable for a striking border. Retains full golden color from spring to fall. Beautiful for rose bed borders. Should have full sun.

Potted liners Per 100 Per 1000
\$18.00 \$150.00

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Routed cuttings Per 100
\$12.00

Potted liners 18.00

GOLDEN VICARY PRIVET

Routed cuttings 10.00

Potted liners 18.00

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Grapes

Currants

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Write for Wholesale Price List

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BUILDING PLANT SHELTERS AND GARDEN WORK CENTERS

From Sunset Magazine.
Instructions for the construction of
lath houses, greenhouses, work centers,
small plant shelters. 307 photos, draw-
ings and plans. 78 p. Paper-bound.
(1951). Price, \$1.00, postpaid.

AMERICAN NURSERYMAN
343 S. Dearborn St. Chicago 4, Ill.

Ozark SINCE 1898
NURSERY COMPANY

- FRUIT TREES—Standard and Regular
- SMALL FRUITS—Grapes and Berries
- ORNAMENTAL and SHADE TREES
- FLOWERING SHRUBS
- EVERGREENS—Broadleaf and Conifers
- PHYTOTECTOR GROWN LINERS

OZARK IKE Says:
"All fields under irrigation. Delivery service to your door. Mechanical digging assures entire root system. Evergreens individually tagged for size and variety. B and B stock burlap treated to prevent rot. 125' x 160' cold storage for stock. Radio equipped field trucks speed service."

White for...
Ozark Nursery's NEW wholesale catalog with attractive prices.



TAHEQUAH, OKLAHOMA

PEACH PITS

Avoid disappointment by placing order early for California Lovell Peach Pits. October delivery. Prices on request.

WAYNESBORO NURSERIES
WAYNESBORO, VIRGINIA

Nursery-Grown Materials Exhausted for Spring 1957.

Invite Orders for Fall, 1957.

Write for price list.

ANTHONY LAKE NURSERY, INC.
PINEOLA, N. C.

Specializing in B&B Evergreens BROAD-LEAVED and CONIFERS

Catalog on Request.

LINDLEY NURSERIES, Inc.
P. O. Box H GREENSBORO, N. C.

CHRISTMAS TREES FOR PLEASURE AND PROFIT.
By Chapman and Wray. 215 p. illus. (1957) \$3.75.
American Nurseryman Chicago 4.

and early flowering (a week earlier than the variety St. John's Fire) are deciding factors in one's choice of *Salvia splendens*, I think the new Fireball will be found a good one. It branches freely from the base, acquiring the form referred to in its name. Incidentally, it makes a good pot plant for summer and fall flowering. St. John's Fire, mentioned before, is next in earliness, so far as my experience goes, and in dwarfness (about a foot). Gardeners like this variety, about the reddest of all the scarlet sages. Blaze of Fire does not lag far behind St. John's Fire in blooming and grows 15 inches in height. If a tall-growing variety is wanted, Bonfire in one of its selected, even-growing strains would be my choice. Carefully selected strains of Bonfire are far superior to the uneven-growing type of splendors with which it is often compared.

Beyond the normal red shades, Rose Flame is the best that I have seen, its coral-pink color being clearer than that of others which have been described as pink. It reached a height of about 20 inches in trials in northern Michigan. A word of caution should be sounded on White Fire, a rather new creamy-white variety. It seems to be no exception to other white and near-white varieties in that it is most unsatisfactory when grown in the open, spotting and burning badly. It does, however, give excellent results in a cloth house.

LILAC FESTIVAL ORIGIN

The lilac time festival period celebrated May 12 to 18 at Rochester, N. Y., this year was officially designated John Dunbar memorial week, as it is to John Dunbar that Rochester owes the origin and development of its unparalleled lilac collection. This eminent Scotch horticulturist initiated the present great collection early in 1891 when he set out the first shrubs, they being among about 1,000 flowering plants acquired by Mr. Dunbar and set out in Highland park at that time.

During the years which followed, with the enthusiastic cooperation of Dr. Edward Mott Moore and Calvin C. Laney, former Rochester park commissioners, he greatly enlarged these first plantings. The three men may be popularly deemed a triumvirate in the development of the Rochester park system, their names being indissolubly connected with the city's parks. John Dunbar seemed soon to have adopted lilacs as a popular specialty, and during the time he was with the park system, some 35 years, he is known to have developed

LANDSCAPING BOOKS

The Art of Home Landscape
By Garrett Eckbo. \$5.95

Gardens Are for People
By Thomas D. Church. \$10.00

Lawn and Landscaping Handbook
By Thomas H. Everett. \$2.00

Ground Cover Plants
By Dr. Donald Wyman. \$4.75

Complete Home Landscape and Garden Guide
By R. P. Korbobo. \$3.95

Landscaping Plans for Small Homes
By Ralph Bailey. \$2.00

Landscaping Your Home
Sunset Magazine. \$1.00

Landscape Sketching
By Arthur Black. \$5.75

New Design of Small Properties
By M. E. Bottomley. \$4.00

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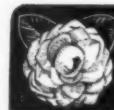
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We solicit your inquiries.

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5 miles west of city on Broad St. Road



WE SPECIALIZE IN FINE Azaleas and Camellias

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FLOWERWOOD NURSERY
GREGORY L. SMITH, Owner
Rt. 1, Box 130 MOBILE, ALA.



SEMME'S NURSERIES

AZALEAS - CAMELLIAS
and other choice evergreens

Wholesale Catalog SEMMES, ALA.

Wholesale Custom Propagation AZALEAS
Of Almost Any Kind
GLADSGAY GARDENS NURSERY
6311 Three Chopt Rd.
RICHMOND 26, VA.
Write for details.

at least 31 new varieties worthy of permanent retention in the collection.

By the time Mr. Dunbar had accumulated 100 varieties of lilacs the public began to realize that the city had a new and valuable asset. In 1898 an official count disclosed that over 3,000 persons had come to the park to view the display, and the newspapers began to run feature articles on the lilacs. The interest which began about that time has never slackened, and in recent years, with over 500 varieties of lilacs and over 1,500 bushes covering 15 acres, the attendance runs between 300,000 and 400,000 annually.

On lilac Sunday, May 12, this year, in recognition of the pioneer work done by Mr. Dunbar and in appreciation of his vast contribution to the beauty of Rochester, a bronze tablet at the foot of the slope where the earlier-planted lilac shrubs are located was dedicated to him.

SOUTHERN SURVEY

[Continued from page 12]

er right along, in spite of extremely high rates. The motor freight service is not much better, except in limited areas. We are turning more and more to delivery in bulk on semi-trailer trucks.

"We are optimistic about the coming season. The dealers are having a good business this season, and home building continues at a high rate. We see no over-all surplus developing, and we believe prices will stiffen a little."

Tennessee Sales, Costs Rise

Henry N. Boyd, Boyd Nursery Co., Inc., McMinnville, Tenn., notes sales are up, but higher costs cut profits. Weather conditions, too, draw his comments, as follows:

"Sales were good this spring, but the weather was terrible, due to the excessive rain in the first three and one-half months of this year—about 30 inches. There were 75 days of rain in the first 100 days of this year. Average rainfall here for the whole year is about 52 inches.

"So it is my guess that we are in for a long dry spell this summer. With our late plantings it might be a rough growing season, as one extreme usually follows another.

"I believe that we will show a 10 to 15 per cent increase in sales for the season, even though we had to turn down several orders because adverse weather conditions kept us from digging when the stock was desired.

"The increase in costs of labor and

FALL, 1957 SPECIALS

Crimson King Maple
Norway Maple
Dwarf Red Buckeye
Pink and White Dogwood
White Birch
5-in-1 Apple
Flowering Crab Apple
Redbud
Moraine Locust
Purple-leaved Plum

Flowering Peach
Hemlock
Pyramidal Arborvitae
Globe Arborvitae
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Sabina Juniper
Pin Oak
Red Weigela
Variegated Weigela
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And Many Other Items to Select

Write for catalog.

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SHADE AND ORNAMENTAL TREES

In Large Containers, 5 to 8 ft.

For Late Spring Selling

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Your Profits Grow in Verhalen Plants

COMMERCIAL

Nursery Co.
ESTABLISHED 1900

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Broad-leaved Coniferous Evergreens

Write for complete price list.

T. G. OWEN & SON, INC.
Columbus Mississippi

HOLLAND BULBS

TUBEROUS BEGONIAS, GLOXINIAS
PERENNIAL SPECIALTIES
VERONA GARDENS
Th. Grevers
Wholesale Grower
Rt. 5, BATTLE CREEK, MICH.

PROPAGATION OF PLANTS

By Kains and McQuستن.
Seed testing, layerage, division, separation, rooting cuttings, grafting, budding, stock and scion handling, nursery management and pest control. 637 p. (1942). Price, \$6.00, postpaid.
AMERICAN NURSERYMAN
343 S. Dearborn St. Chicago 4, Ill.

Better Liners of the Better Kinds

Good Roots • Good Tops
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DECIDUOUS LINERS

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HARDY PLANTS Bulbs and Shrubs

"America's Finest"

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Springbrook Gardens
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specialty items

(Quality Stock)

FLOWERING CRAB APPLE
PINK-FLOWERING DOGWOOD
FLOWERING PEACH
ILEX ROTUNDIFOLIA
VIBURNUM JUDDI
PFITZER JUNIPER

Write for our latest wholesale list.

Buy Quality

There is no Substitute

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Hoskins Shadow
WINCHESTER, TENN.
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AARS winners and
130 other popular
varieties. In attrac-
tive, colorful pack-
ages or bare root.

Beautiful shade, produc-
tive too! Prolific varie-
ties. Sizes 1½ to 12
feet. In attractive pack-
ages or bare roots. Get
stock list and prices.

PECAN TREES



ARP Nursery Co.

Box 3338-J, Tyler, Texas



AZALEAS

Broad-leaved Evergreens and a
general line of quality ornamentals.

THE TANKARD NURSERIES
EXMORE, VA.

SEED CHESTNUTS

Castanea mollissima orders taken for fall.
1957, crop. 50¢ per lb. F.O.B. Trappe, Md.
Lower prices for large quantities.

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CHINESE CHESTNUT TREES

Seedlings only of the Peter Lul
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a special selection of Nanking seed-
ling progeny in 2-yr. trees. Your in-
quiries invited.

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Taxus Junipers

B&B sizes to trucks only.

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Specialists in PERENNIALS

SEEDS—PLANTS—BULBS

Perhaps America's largest list of un-
usual plant materials.

Wholesale catalog on request.

PEARCE SEED COMPANY
Dept. N, MOORESTOWN, N. J.

supplies will offset the increase in
business; so our profit should be
about the same as last year's, if we
get in all our collections.

"Plants in the field have started
an early growth. Prices next year
will probably be about the same,
with increases on a few special
items."

Good Year in Tennessee

A good cleanup of stock, with wet
weather making work difficult, is
reported for this spring by George
A. Cultra, Morning Star Nursery,
Rives, Tenn. Writing May 8, he
stated:

"Our shipping has all but ended.
We have had one of our best years
and have cleaned up very well, but
as always some things are left over.

"The help situation was about the
same, with plenty, such as it was.
Shipping offered no problems, as
practically everything went out in
trailer trucks, and we were fairly well
supplied.

"The weather gave us cause for
complaint, though, for we had one
of the wettest spring seasons in sev-
eral years. There were few days when
we dug this spring that most of the
balls were not completely flat, with
water running out of lots of them. It
makes it hard to meet deliveries on
B&B stock when the weather condi-
tions are like that.

"As to stock, there is a fair supply
of most items, but the problem is
getting it dug and to the customer at
the proper time. But it looks like we
are not the only ones who have had
trouble along that line.

"Our planting conditions are
about the same, with no increases
over the past few years. At the pres-
ent time all our planting is done and
we are in the process of getting the
nursery cleaned up and have already
started on the weeds.

"There can be no cutback in price
with the increased overhead that
exists."

Brisk Trade in Texas

"News from Texas is the weather,
which is usually interesting, some-
times disastrous and almost always
extreme," writes Clark Kidd, Arp
Nursery Co., Tyler, Tex. He con-
tinues:

"As it has been too wet to plow
the past 60 days, one has had time
to watch the rolling funnel clouds
and figure painless ways of collect-
ing receivables. Examples of rainfall:
Dallas area, accustomed to getting
along on one-third the average rain-
fall, finds twice the average rainfall
already recorded, with lakes full.

"The Tyler area had three times

ORDER NOW!

Per 1000

VINCA MINOR (Myrtle Vine)

Made-up clumps,
10 to 15 leads.....\$35.00
Liners.....10.00

LONICERA (Hall's Honeysuckle)

Heavy clumps, 2-yr.....50.00
Medium clumps, 1-yr.....35.00
Liners.....15.00

O. H. PERRY NURSERY CO.

Phone: 5574

Box 545, McMinnville, TENN.

SMALL FRUIT PLANTS and VEGETABLE ROOTS

We grow for the whole-
sale trade only.

KRIEGER'S WHOLESALE NURSERY

BRIDGMAN, MICH.

ORNAMENTALS

CHASE NURSERY CO.

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Azaleas, Camellias
and Magnolias
our
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Semmes, Ala.



Quality Plants Since 1841

HILLENMEYER
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MORNING STAR NURSERY

Rives, Tennessee

Wholesale Growers

Evergreens, Trees

Deciduous Shrubs, Roses

Send us your want list

CUMBERLAND VALLEY NURSERIES, INC.

Wholesale Growers of Dependable
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Write for latest price list.

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CANNED PLANTS

Build profits with Wight's container-grown
evergreens. Wide assortment, including
Ilex, Magnolia, Camellias, Pyracantha.
Ask for wholesale list.

Wight NURSERIES CAIRO, GA.

the average rainfall. With the weather so cloudy and cool, the mayor proclaimed a late Rose day for 1957—May 5. Again this spring the Texas stock of roses and pecan trees sold out early, except for a few long varieties of patented roses, most difficult to estimate at time of budding.

"The extent of midwinter planting of cuttings is not known, nor can the trend in a supply for the 1957-58 shipping season be reasonably estimated until field work opens up and living buds and grafts can be counted.

"There was a 20 per cent increase in volume of mail-order business over last year's, up to March 1, when the trend was reversed as the rains came. The season's business at wholesale was brisk, the demand excellent. Profit-wise, there will be no good news until some bold group of nurserymen strikes abruptly and substantially with nursery price increases to overtake regularly advancing costs of producing.

"It is hard to be optimistic in the face of frequent disappointments in the paying ability of reputable retail nurserymen. Rare is the wholesale grower who pays no interest to a bank. The prompt 10-day pay and discount record of department, chain and hardware stores gets part of the credit for increased channeling of stock through non-nursery outlets. Growers' payrolls are cash."

Rose Sellout at Tyler, Tex.

"Business was good the past season; everyone was able to sell all his stock," writes Carl Shamburger, Carl Shamburger Nursery, Tyler, Tex. He adds:

"We had more rain this spring than we have had in years, better than 15 inches in April.

"The crops are about two weeks behind. We have not suffered any material damage to the rose crop from winds this spring.

"The crop for the coming season is about the same as that of last year. Prices will be about the same as last year's, also."

O. A. PASQUALONE, Geneva, O., announces that he recently opened a new garden center and changed the name of his business from County Line Gardens to the Planter.

WARREN T. LONG & SON, operating a new 2-acre nursery at 2817 Central road, Glenview, Ill., will sell to the wholesale and retail trade and will offer landscape service.

COMPLETE WHOLESALE PRICE LIST NOW READY FOR MAILING

LINING-OUT and FINISHED STOCK

TREES — FLOWERING SHRUBS
PRIVET — VINES — EVERGREENS

Write for your copy today if not on our mailing list.

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McMINNVILLE, TENN.

PACHYSANDRA

Terminalis (Japanese Spurge). The ideal permanent evergreen ground cover plant for shady and semi-shaded areas in all climates. Does well in sunny areas, too. Absolutely winter hardy in the most northern climates. Per 1000 for

Strong, well-rooted, 1-yr. plants; propagated in soil and peat frames with light shade.	Per 100	Per 1000	5000 or more
Prepaid F.O.B. here	\$5.00	\$42.50	\$40.00

Available for immediate shipment through December. Shipments anywhere including Canada. Good packing free. A good source of supply.

PEEKSKILL NURSERY

Phone: Lakeland 8-5595
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The Homestead Nurseries

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Azaleas, Rhododendrons, Magnolias, Peonies, Ornamental Trees and Shrubs, Perennials — Quality Stock in All Leading Varieties. Trade catalog on request.

SEEDS

for the Nurseryman and Forester.
Write for catalog.

F. W. SCHUMACHER, HORTICULTURIST
SANDWICH, MASS.

"Pedigreed Seed Covers the Earth"

Pedigreed Seed Co.

Lawnseed Specialists for Over 35 Years!

Write or phone collect for prices on your
Special Formulas, Private Brands
or Straight Seed!

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BULBS**
FREE list on request
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SEEDS
Collectors of Tree, Shrub and
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WE OFFER ...

Our General Line of

SMALL FRUIT PLANTS

Let us quote on your
requirements.

L. J. RAMBO'S WHOLESALE NURSERIES
Bridgman, Michigan

Mention The American Nurseryman when you write.



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**STRAWBERRIES
EXCLUSIVELY**
Write for Prices!
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(AL AND LENORE)
EXCELSIOR, MINNESOTA

You really ought to know...

ONLY A FEW PENNIES DELIVERS THE WORLD'S LARGEST SELECTION OF POT-GROWN LINERS DIRECTLY TO YOUR NURSERY



Your MN liners are shipped to you with sturdy pot-grown roots. They stay that way as liners—through fast growing on—to profitable sale.

Yes, shipping costs are low for MN liners. So low, that while your customers enjoy MN quality, you enjoy higher profits. It's good business to order MN *pot-grown liners* because there is no root system setback. They're growing all the time—EVEN WHILE THEY'RE ON THE WAY TO YOU!

PACKING IS FREE ON LINING OUT STOCK

By checking this map along with your catalog prices, you can quickly figure how much a liner will cost laid down in your nursery. Keep in mind that these rates are *the most* you would have to pay. Simply check your state on the map below. The figure on top is

for 2 1/4" pots, and the figure below is for 3" pots. **EXAMPLE:** Juniperus chin. pfitzeriana in a 2 1/4" pot is listed in your catalog at 18¢. Delivered anywhere in Illinois for only 3¢. Total laid down cost only 21¢. Shipping cost on a 3" pot in Illinois is only 5

YES INDEED! SHIPPING COSTS ARE LOW!



SAVE THIS "LOW COST SHIPPING MAP-GUIDE" FOR A HANDY REFERENCE

HERE ARE VALUES THAT GROW!

Keep in mind that MN pot-grown liners suffer no system set-back because roots never leave their original growing soil. Remember too, that space is money. MN pot-grown liners grow on faster—sell 12 months earlier for faster profits, and gain

as much as 50% more turnover per square foot of yard space.

These are the reasons nurserymen all over the country are saying, "MN pot-grown liners are truly A VALUE THAT GROWS!"

PARTIAL LIST OF OVER 1200 VARIETIES OF MN LINERS

ORDER TODAY FOR IMMEDIATE DELIVERY

You are invited to open a convenient account with MN

IN 2 1/4" POTS • MINIMUM QUANTITY 25 PER VARIETY • FREE PACKING

VARIETY	Price per 100
CONIFERS	
<i>Abies deodara</i>	\$20.00
<i>Juniperus chinensis pfitzeriana</i>	18.00
<i>Juniperus chinensis pfitzeriana Blue</i>	20.00
<i>Juniperus communis hibernica fastigiata</i> ..	18.00
<i>Juniperus mugo mughus</i>	20.00
<i>Juniperus sylvestris</i>	15.00
<i>Thuja orientalis Blue Cone</i>	18.00
<i>Thuja orientalis compacta</i>	18.00
<i>Thuja orientalis pyramidalis</i>	18.00
GENERAL ORNAMENTALS	
<i>Abelia grandiflora</i>	15.00
<i>Abelia grandiflora prostrata</i>	
(Pat. No. 1431)	30.00
<i>Aralia sieboldi</i>	15.00
<i>Berberis mentorensis</i>	20.00
<i>Berberis sargentiana</i>	20.00
<i>Buddleia Fascination</i>	15.00
<i>Caryopteris harlandi</i>	15.00
<i>Caryopteris microphylla rotundifolia</i>	15.00
<i>Caryopteris sempervirens croni</i>	22.00
<i>Caryopteris sempervirens handsworthi</i>	20.00
<i>Calistemon lanceolatus, improved</i>	20.00
<i>Claytonia horizontalis</i>	15.00
<i>Claytonia parneyi</i>	15.00
<i>Claytonia zabeli</i>	18.00

VARIETY	Price per 100
<i>Euonymus japonicus grandifolia</i>	\$15.00
<i>Ilex aquifolium (seedlings)</i>	18.00
<i>Ilex aquifolium fertilis</i>	25.00
<i>Ilex cornuta burfordi</i>	18.00
<i>Ilex vomitoria Pride of Texas</i>	20.00
<i>Ligustrum texanum</i>	15.00
<i>Ligustrum vicari</i>	18.00
<i>Liquidambar styraciflua</i>	18.00
<i>Nandina domestica</i>	15.00
<i>Philadelphus virginialis</i>	18.00
<i>Pittosporum tobira variegata</i>	18.00
<i>Pyracantha coccinea pauciflora</i>	18.00
<i>Pyracantha coccinea Red Berry</i>	18.00
<i>Pyracantha coccinea wyatti</i>	18.00
<i>Pyracantha Government Red</i>	18.00
<i>Pyracantha Rosedale (T. M. Reg.)</i>	18.00
<i>Pyracantha Victory</i>	18.00
<i>Viburnum burkwoodi</i>	20.00
<i>Viburnum mariesi</i>	20.00
<i>Viburnum odoratissimum</i>	18.00
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<i>Weigela Bristol Ruby (Pat. No. 492)</i>	35.00
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SAN JOAQUIN CHAPTER

Trails Round-Up, Fresno, was the meeting place of the San Joaquin chapter of the California Association of Nurserymen April 18. The meeting was called to order by Secretary M. E. Gardner, Stribling's Nurseries, Merced, in the absence of President Robert Moffett, A. J. Moffett & Sons, Gustine. Guests from the Reynolds Soil Conditioner Co. were introduced by Syd Whitehorn, Fresno. Ivan Stribling, Jr., Stribling's Nurseries, a director of the chapter, gave a complete report of the California Association of Nurserymen directors' meeting.

The secretary was instructed to send a letter of thanks to Rose and Andy Caglia, of Andy's Nursery, Fresno, for their splendid effort to make the chapter meeting successful. Dean Rose, of the agency of the state compensation insurance fund, gave a resume of its services.

It was noted that the attendance was at a minimum for the chapter and that regular member nurseries were not represented as they should be. Fresno State College, Fresno, was announced as the next meeting place, May 16. Louis LaValley promised a tour of the campus facilities.

M. E. Gardner, Sec'y.

LOS ANGELES CHAPTER

A meeting of the Los Angeles chapter, California Association of Nurserymen, was held April 25 at Carpenter's restaurant, Arcadia. After the meeting was called to order by President Charles Crum, Rosedale's Nurseries, Inc., Monrovia, the plant forum was opened by Otto Martens, Deigaard Nurseries, Monrovia, who showed several varieties of ficus and discussed their uses in landscaping. William Connors, Descanso Distributors, Chino, showed the 1957 All-America Rose Selections award winner, White Bouquet, and some specimen blooms from the lilac, Lavender Lady, which is now on the market.

Decorations were prepared by Verona Weeks, Weeks Wholesale Rose Grower, Ontario, and dinner music was supplied by Tony Gonzales at the organ. The White Bouquet rose and the lilacs displayed in the plant forum were won by Lee

Leiva, of Deigaard Nurseries, and Mrs. Jean Wheeler, of Select Nursery, Whittier, respectively. Among the guests present were Peter Mordigan, president of the San Fernando chapter, C. A. N., and his wife.

President Crum displayed the plaque presented to the C. A. N. by the international flower show and announced that Mrs. Grivel, of the 5 & 10 Nursery, Tustin, was in the St. Joseph hospital, Orange. Charles Wagoner, California Polytechnic College, San Luis Obispo, described some of the classes in the field of horticulture at the college and told how students qualify themselves for work in the field after graduation.

Speaker of the evening was the Rev. J. Whitcomb Brougher, Jr., pastor of the Glendale Baptist church, who spoke on "Looking Forward in the Horticulture Profession."

Norman Springer, Bandini Fertilizer Co., Los Angeles, vice-president

of the chapter, announced that the next meeting would be held at Eaton's Santa Anita restaurant, Arcadia, and would feature a tour of the Los Angeles Arboretum, in which members of the San Fernando chapter would participate.

Harold J. Botts, Sec'y.

OAKLAND GARDEN SHOW

The 25th presentation of the California spring home and garden show at the Oakland Exposition building, Oakland, May 12 to 14, marked the beginning of a third epoch in the history of this annual exhibition. Starting as a small formal flower show sponsored by the Oakland Businessmen's Garden Club, the event grew steadily larger until it entered a second phase by incorporating and engaging Howard Gilkey as show designer. Now, after an 8-year leave of absence from the show enforced by poor health, Mr. Gilkey has returned as designer, and the annual exposition has entered its third phase with the addition of facilities for exhibits by home builders. With the addition of this group of exhibitors, the show has been officially renamed the California spring home and garden show.

This year the theme of the show was Shangri-La, the haven from the

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tribulations of the outside world depicted in James Hilton's book, "Lost Horizon." This theme was used as a symbol of the solace and happiness to be found in one's home and garden. Establishing the spirit of the theme, a large snow bank was constructed at the entrance to the main hall. The visitor crossed the snow, with the wind moaning and blowing over his head, went through a darkened passage and emerged in a Shangri-La of mountains, trees, waterfalls and plants.

Mountain Scenery

Featured at the far end of the hall was a high waterfall backed by realistic, snow-covered mountains. Rhododendrons, azaleas, roses, orchids, iris, tulips and annual and perennial flowers filled the hall. Shrubs of many kinds were arranged in keeping with the Oriental theme, which was further accented by hanging lanterns, a gold Buddha, a dragon and a hall of 1,000 bells. All this was made possible by the efforts of the growers of ornamental plants of the east bay area, who planned for months to produce the plantings required by the designers and who also executed the plans.

Among the prize-winning gardens, that of the Lyl Nickals Nursery, San Leandro, featured a Japanese garden arranged around a large pool containing a stone shrine over which water cascaded. The plantings in the water were largely of water lilies. About the pool were Japanese cut-leaved maples, exotically trained azaleas, rhododendrons and evergreens. Also in the design were dichondra lawn areas, cut-leaved philodendrons and large numbers of other plants carefully spaced for exhibition.

The California Nursery Co., Niles, received the highest merit certificate in the show for its display and a special prize for a new plant introduction, a variety of *Larix pendula*. The exhibit included a small pool surrounded by a planting of ground juniper and other evergreen ground covers and azaleas and other flowering plants. Instead of grass or tan bark, coarse gravel was used here, as in most of the exhibits this year, for walks and open areas. There were water lilies in the pool, supplied by the Johnson Water Gardens, Paramount, and in the background were redwood trees and other evergreens, including several weeping forms.

Oriental Home and Patio

The display by the McDonnell Nurseries, Oakland, was again designed by Ned Rucker and won the top award for design. A contemporary Oriental home set on stilts had a patio containing furniture and a



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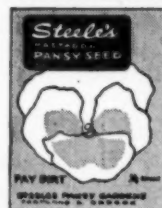
ARMSTRONG NURSERIES
ONTARIO, CALIFORNIA

barbecue. The plantings featured easily-grown annuals and perennials.

The Berkeley Horticultural Nursery, Berkeley, had a display of evergreen flowering shrubs and ferns; the planting was compact, practical and well designed. Gomes & Son, Oakland, had a massive display of exotic evergreens and flowering plants surrounding a large open pool. The Sunset Nursery, Danville, featured a Japanese garden with a gravel patio, flowering evergreen shrubs, weeping willows, poplars and glazed clay planters well arranged and planted.

Frank Shinota, Berkeley, was given the second prize for design on

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a pleasing, simply planned Japanese
garden featuring cut-leaved maples,
bamboos and several other small de-
ciduous trees. Korematsu & Nomu-
ra, Castro Valley landscape con-
struction operators, used masses of
bamboo as a background for a small
lawn of bluegrass, which was sepa-
rated from the main part of the ex-
hibit by a small stream. For color
there were small clusters of annuals
in bloom.

The exhibitors of home wares and
garden supplies reported better busi-
ness than for several past years.
Total paid admissions reached an
all-time high, after several years of a
lowered attendance, and everyone
connected with the show agreed that
it was a renewed and most success-
ful event.

W. B. B.

CALIFORNIA NOTES

Several bay area retail nurserymen
had a preview of some of the newer
roses when they attended the meet-
ing of Roses, Inc., at the Villa Char-
tier, San Mateo, April 30. Among
the roses shown at the time were
Baccara, White Butterfly, Pink Sen-
sation, Sterling Silver, Red Bird,
White Jewell, Yellow Gold, Honey
Gold and Gold Strike. Shown also
were several unnamed hybrids that
the breeders thought showed prom-
ise.

Control of bacterial rot in cuttings
of dieffenbachia by the use of agri-
mycin is reported by Dr. Donald
Munnecke, of the department of
plant pathology at the University of
California in Los Angeles. He ad-
vises, too, that the knives used for
taking the cuttings be dipped into a
solution of mercury before each new
plant is handled, that the cuttings be
dipped for about 20 minutes and
that the cuttings be rooted in a ster-
ilized mixture.

More than 100 rhododendron
plants, representing nearly as many
varieties, were on display at Union
square, in San Francisco, during the
14th annual April rhododendron
week sponsored by the Down Town
Association and the San Francisco
recreation and park department.
Golden Gate park is world-famous
for its rhododendrons, with more
than 500 kinds growing in various
parts of the park.

Ferry Morse Seed Co., Los An-
geles, announces that the 7,500
square foot addition to its Mountain
View processing and packaging es-
tablishment, costing about \$250,000,
will be ready for occupancy about
August 1.

The journal of the California agri-

Jan de Graaff's

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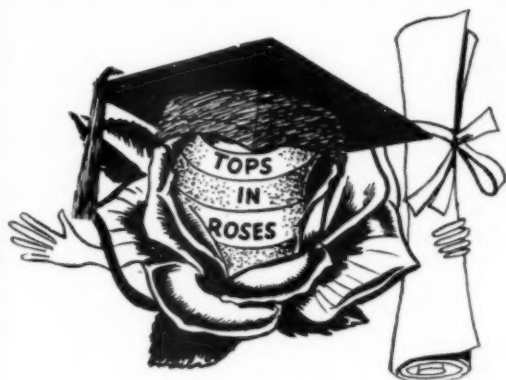
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cultural experiment station, California Agriculture, for April was devoted entirely to water problems. Among the items given special consideration were sprinkler spacing, corrosion of aluminum pipe, water penetration of soils, water-plant-soil relations, use of reclaimed water, allocation of ground water and water rights. There were also articles on tree irrigation and on irrigation of ornamentals.

Peters & Wilson, Millbrae, held their annual Easter daffodil show April 18 to 20.

The Shaffer Tropical Gardens, Capitola, featured African violets in their annual at home event during much of May.

San Francisco's smog problem is increasing steadily, the air pollution control board was told by Benjamin Linsky, the city's newly employed air pollution control director, at a meeting in Los Angeles. He said that oil by-products in the air caused at least \$1,000,000 worth of damage to San Francisco's commercial producers of ornamentals in 1956.

Clyde Stocking, San Jose rosarian, spoke on "Rootstocks for Better Roses" at the April meeting of the San Francisco Rose Society.

The Toichi Domoto nursery, Hayward, held a spring flower show during the last two weeks of April. Fea-



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tured were tree peonies and gerberas.

Mrs. Mary E. Knopf, owner of the Campbell Iris Gardens, Campbell, spoke on "Iris" at the May meeting of the Los Altos Garden Club.

San Francisco's mayor, George Christopher, urged the state division of highways to spend more gasoline tax funds on a "hard-hitting public relations program" aiming to recast the public's image of freeways. He was addressing the American Right of Way Association at its annual meeting at San Francisco. A. C. Birnie, of the San Francisco office of the state division of highways, replied that some money is spent for landscaping, but it is the policy to provide "full landscaping treatment" for freeways in cities only when the cities have antibillboard ordinances. He added that San Francisco's billboard control covers only a part of the present freeway network.

Retail ornamental nurserymen throughout the state report that business so far this spring has been spotty. The weather has not been settled for any long period, and homeowners do not seem to have done so much planting as they often do. Areas where subdivisions have been established for several years now seem to show good activity. Prices are about the same as those of a year ago, with more cut-rate nurseries becoming established in some of the urban areas. W. B. B.

NEW OREGON CHAPTERS

Several officers of the Oregon Association of Nurserymen journeyed to Eugene, Ore., April 30 and then to Medford May 1 to aid in the establishment of two new chapters of the organization. The officials were Paul Van Allen, Portland Wholesale Nursery Co., Portland, president of the O. A. N.; W. P. Nuffer, Portland Wholesale Nursery Co., chairman of the chapter organization committee; James Doty, Doty & Doerner, Inc., Portland, trustee, and Charles H. Potter, executive secretary.

In each place the state officers conferred with the local nurserymen and then presided as the constitution and bylaws were approved and officers were elected. The Eugene organization meeting was called by Reed Vollstedt, Reed's Garden Center, Eugene, organizing chairman. The Medford organizing chairman was Vernon Marshall, Marshall Nursery & Florist, Medford.

The Eugene group, named the Emerald Empire chapter of the O. A. N., elected Reed Vollstedt president;

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JUNE 1, 1957

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Arthur Prescott, Prescott's for Gardeners, Eugene, vice-president, and Bruce Brechtbill, Brechtbill's Nursery, Eugene, secretary-treasurer. Named as directors were Robert Zonneveld, Van Dyke Gardens, Eugene; Jack Douglas, Douglas Lawn Shop, Eugene; Ed Cross, Eugene landscape gardener, and Arthur Childers, Rhodoland, Veneta.

Officers of the Cascade chapter, the Medford organization, are the following: Marcel Le Piniac, Garden Center Nursery, Medford, president; Elwood Stansfield, Stansfield Nursery, Medford, vice-president, and Vernon Marshall, Marshall Nursery & Florist, Medford, secretary-treasurer. Directors are L. A. Baker, Baker Nursery, Klamath Falls; C. E. Moyer, C. E. Moyer Nursery; Winston; Carl Fowler, Pleasant View Nursery, Grants Pass, and Lewis Blyth, Lewis Nursery, Medford.

C. H. P.

OREGON NOTES

April 18 was a big day for the Portland Wholesale Nursery Co. It was on that date in 1907, 50 years ago, that the Portland company was started.

W. P. Nuffer, of this firm, appeared on the KOIN Farm Facts program as "farmer of the week" April 27.

Newspapers of Eugene and Medford gave considerable publicity to the recent organizational meetings held in the two cities to form the Emerald Empire chapter and the Cascade chapter, respectively, of the Oregon Association of Nurserymen.

Nurserymen of the state report a busy spring this year. Sales, according to some nurseries, will be the highest experienced in their histories.

C. H. P.

PREHN CAREER TOLD

Walter Prehn, owner of the Floral Arts Nursery, San Francisco, Calif., was the subject of a recent feature article in a local newspaper. Entering the horticultural field in 1923, Mr. Prehn first worked as a gardener on private estates and then as operator of a garden service. Later, after augmenting his practical experience with professional studies, he passed the state examination required for obtaining a license as landscape contractor and joined the staff of a nursery in 1937 to gain experience in merchandising, selling and nursery management. In 1947 he opened the Floral Arts Nursery, which now offers a wide range of nursery stock, garden supplies and a complete landscape service.

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Over 100 sheets, printed one side only; over 300 color illustrations properly captioned with botanical, common names and specific varieties, plus adequate descriptions for each plant illustrated.

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Forms for July 1 issue will close Friday, June 7.

AZALEAS

AZALEAS FOR GROWING ON
100,000 healthy plants, grown in German
peat. Immediate delivery.

TRANSPLANTS

Pinned and branched, suitable for 4-in.
pots this fall. \$15.00 per 100, F.O.B. Upland,
\$17.50, express prepaid; \$135.00 per 1000,
F.O.B. Upland, \$160.00, express prepaid. No
order of less than 200 in units of 25.

KURUMES AND PERICATS

2000 Coral Bella 200 Lorraine
800 Distinction 250 Snow
600 Eugene Pink 4000 Sweetheart
5000 Hexe Supreme
1000 Hexe de Saffelare 400 Mme. Pericat
1200 Hinodegiri

BELGIAN INDICAS

50 Adrian Stuyart 2000 Miss Cottage
4000 Albert & Eliza- 500 Niobe
beth
5000 Chimes 400 Orchidflora
1000 Constance 1500 Paul Schaeme
500 Mme. Chas. 2000 Perle de
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1500 Dorothy Gish 1500 Purity
4800 Dr. Bergman 250 Queen Astrid
1500 Dresden 1700 Rose Queen
1400 Eric Schaeme 1200 Sweet Sixteen
2200 Firelight 300 Triomphe
730 Jean Haerens 400 Temperance
400 Mme. Van der 400 Vervaeanae
Cruysen 6000 Perle Swaynaerde

1800 Pride of Dorking 2000 Rosebud
150 Copperman 500 Sherwood Red
500 Albion 1600 Snowbird
600 Indica Rosea 675 Ward's Ruby
1000 Phoenicia 1500 Sherwood Orchid

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3 to 4-in. spread. Should make good 6x8
finished plants next fall and winter, \$30.00
per 100, F.O.B. Upland, \$40.00 per 100, ex-
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units of 25.

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100 Chas. Encke 15,000 Hexe
900 Distinction 350 Lorraine
750 Eugene Pink 900 Mme. Pericat
600 Marie Louise 500 Salmon Beauty
1000 Hexe de Saffelare 700 Snow

BELGIANS

600 Albion 1000 Mme. Petrick
700 Adrian Stuyart 500 Memoria Sanders
800 Avenir 500 Miss Cottage
500 Albert & Eliza- 500 Niobe
beth
100 Blushing Bride 500 Orchidflora
800 Dorothy Gish 400 Perle de
Saffelare
2100 Dresden 400 Perle Swaynaerde
350 Eclair 1000 Prof. Walters
200 Ernest Eeckhout 100 Prosper Van
den Daele
2300 Firelight 800 Purity
700 Fred Sanders 600 Queen Astrid
900 Jean Haerens 400 Rose Queen
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500 Mme. Van der 200 Wm. Van Orange
Cruysen
Packing free. Cash with order.

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KURUME (DWARF) AZALEAS

Christmas Cheer 4 to 6 ins.
Coral Bella Macantha, dbl. pink
Gardenia Supreme Pink Pearl
Hinodigiri Pink Pericat
Mme. Pericat Salmon Beauty
Hino-Crimson Snow

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Daphne Salmon 6 to 8 ins.
Fisher's Pink Elegans
Formosa Pride of Mobile
Judge Solomon Southern Charm
Mrs. Gerbing
\$10.00 per 100, \$90.00 per 1000.

5 per cent discount, cash with order.
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Flat containing 70 plants, \$9.00 per flat.
Ask for price on 50 flats or more. ALAD-
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MARY ANN, OTHELLO, PALESTRINA,
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DENDRONS, ROOTED CUTTINGS WITH
LARGE PEAT BALLS, \$60.00 PER 100.
ASK FOR LIST. CALL ORDERS ONLY.
GERARD K. KLYN, INC., MENTOR, O.
Wholesale Rose Growers and Nurserymen

LINING-OUT AZALEAS

Kurumes and Pericats.
Well-branched transplants.
\$14.00 per 100, \$125.00 per 1000.
3 to 5 ins., \$40.00 per 100, \$350.00 per 1000.
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6 to 8 ins., \$85.00 per 100, \$750.00 per 1000.
Grafted and own-root Indicas.
Broad-leaved Evergreens and Taxus varie-
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RUTHLESS SELECTION
has eliminated all but the best
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We include most of the GABLE VARIE-
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selection of the GLENN DALE HYBRIDS.
Liners for spring shipment, \$25.00 per 100.
Send for complete list.
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Kurumes: Hinodegiri, Salmon Beauty, Snow,
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Indicas: Paul Schaeme, Triomphe, Ver-
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DELIVERY SPRING, 1957.
Hinodigiri, in flats.
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Delaware Valley White, in flats.
60 plants to the flat.
\$14.00 per 100, \$125.00 per 1000.
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STRAWBERRY PLANTS, FRESH DUG
Postpaid per 100: Dunlap, Robinson, \$2.00;
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GLADIOLI FOR EARLY FLOWERING

Per 1000	Junio No. 1	No. 3
VALERIA	\$25	\$12.00
SPIC AND SPAN	25	20
ELIZABETH THE QUEEN	22	18
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MISS HOLLAND	22	18
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All bulbs treated with Dithane and DDT.

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MICHIGAN-GROWN GLADIOLI

We would like to have you try our bulbs.
These mixtures contain many good colors.
Per 1000 Gladiolus bulbs Nos. 1 2 3
Giant exhibition mixture.....\$25 \$20 \$15
Fancy blended mixture.....30 24 19
Daily express shipments.
Net cash with order, F.O.B. Dowagiac.
GEO. W. HUNTER, GROWER
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IMPORTED DUTCH FALL BULBS

Reasonable prices. Send for price list.
F.O.B. Atlantic ports or Highland, Ind.
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can be easily and quickly turned into
Cash
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BUXUS

Buxus sempervirens, rooted cuttings, 2 to
4 ins., \$50.00 per 1000. Packing free. Cash.
Blackburn Nursery, Clarksville, Ark.

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FLORETUM COLORFUL GARDEN MUMS
Top grade and new varieties. Bred for early
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ROOTED CUTTINGS, pinched, branched,
outside hardened (no potting necessary).
Ideal for planting out any time until late
June. All bloom abundantly at regular time.
Each variety labeled.

5 each, 20 varieties, 100 plants.....	\$10.00
5 each, 60 varieties, 250 plants.....	25.00
5 each, 100 varieties, 500 plants.....	50.00
5 each, 150 varieties, 750 plants.....	75.00
5 each, 200 varieties, 1000 plants.....	100.00
10 each, 20 varieties, 250 plants.....	14.00
10 each, 60 varieties, 500 plants.....	35.00
10 each, 100 varieties, 1000 plants.....	70.00
10 each, 150 varieties, 1500 plants.....	100.00
25 each, 20 varieties, 500 plants.....	30.00
25 each, 50 varieties, 1250 plants.....	75.00
25 each, 100 varieties, 2500 plants.....	125.00

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Fall River, Kan.

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DELPHINIUMS, 2 1/2-IN. Per 100
Pacific Hybrids assortment, white
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R. H. MURPHY'S SONS CO.
Urbana, O.

EVERGREENS, Liners

EVERGREEN LINERS AND CUTTINGS
FIELD-GROWN TRANSPLANTS
HEAVY, TRACTOR-CULTIVATED STOCK
Each, 100 1000
Arborvitae, Am., nigra, 10 to 15 ins.....45c 42c
POT-GROWN STOCK (FROM 2 1/2-IN. POTS)
Sprayed with Parathion annually. Potted
in special clay peat fertilizer mixture. Grown
in open lath houses or outside frames. No
light, soft greenhouse-grown stock.

Each, 100	1000
Arborvitae, Am., 1-yr., 6 to 7 ins.....	27c 25c
Globe woodwardi, 1-yr., 5 to 6 ins.....	25c 25c
Pyramidal, 1-yr., 5 to 6 ins.....	27c 25c
Juniperus pfitzeriana armstrongi, 1-yr., 4 to 5 ins.....	27c 25c
chinensis pfitzeriana, 1-yr. pots, 8 to 7 ins.....	27c 25c
2-yr. pots, 6 to 9 ins.....	30c 28c
glauca hetzi, 1-yr., 6 to 7 ins.....	27c 25c
Korean Boxwood, 1-yr., 3 ins.....	22c 20c
Viburnum, leather-leaved; 2-yr. pots, 6 to 9 ins.....	30c 25c
burkwoodi, 2-yr., 6 to 9 ins.....	22c 20c

HEAVY ROOTED CUTTINGS

From flats, growing outside in lath house.
Ready for delivery now.
These extra hardy, outside-grown cuttings
can be potted any time, spring, summer, fall.
No soft greenhouse-grown stock.

Each, 100	1000
Boxwood, Korean, hardy, 3 ins.....	9c 8c
Boxwood, sempervirens.....	8c 8c
Eunymus glauca comp., 4 to 5 ins.....	9c 8c
Juniperus glauca hetzi, 5 ins.....	13c 12c
chinensis pfitzeriana, 6 to 7 ins.....	13c 12c
Arborvitae, Pyramidal, 5 to 6 ins.....	13c 12c
American, 5 to 6 ins.....	13c 12c

TERMS: Packing and boxing free. 3 per
cent discount for cash with order.
Our stock guaranteed 100 per cent satis-
factory or return within 6 days for full
refund, plus full shipping charges paid.
250 plants of each variety at 1000 rate.
MIAMI NURSERY CO.
Corner of State Rts. 25 and 71
Tipp City, O.

EVERGREENS

ROOTED CUTTINGS.

Pfitzer Juniper.....	10c
Pfitzer Hetz Juniper.....	10c
Taxus hicksii.....	10c
Taxus cuspidata.....	10c

2 1/2-IN., POTTED.
Pfitzer and Pfitzer Hetz Juniper, 20c.
TOWNSEND EVERGREEN NURSERY
S. Walnut St. Hartford City, Ind.

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Baker's Arborvitae, 4-in. pots.....\$0.25
Arborvitae acerata compacta, 4-in. pots......25
Juniperus sabina Von Ehren, 4-in. pots......25

SUPPLY LIMITED.

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NANDINA PLANTS

3 to 4 ins. high; bed-grown, \$30.00 per 1000.
500 at 1000 rate. Cash.
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4221 Grand Ave. Fort Smith, Ark.

HEAVY ROOTED CUTTINGS

Per 100 Per 1000

Arborvitae, American, dark green; 6 to 10 ins.	\$0.10	\$0.09
Arborvitae, Globe, 4 to 8 ins. ....	.10	.09
Juniper, Hetz glauca, 6 to 10 ins. ....	.11	.10
Juniper, Pfitzer, 6 to 10 ins. ....	.11	.10
Juniper, Savin, 6 to 10 ins. ....	.11	.10
Juniper, Von Ehron, 6 to 10 ins. ....	.11	.10
Juniper, Andorra, 6 to 10 ins. ....	.11	.10
Taxus cuspidata, 6 to 10 ins. ....	.12	.11
Taxus hicksii, 6 to 10 ins. ....	.12	.11
Taxus hunnewelliana, 6 to 10 ins. ....	.12	.11

Cash with order earns free packing.

DE WINTER'S NURSERY
653 Port Sheldon Rd.
Grandville, Mich.

LINING-OUT STOCK

Per 100 Per 1000

Arborvitae, woodwardi, 4 to 6-in.	\$0.10	\$0.09
Arborvitae, nigra, green, 4 to 8-in. ....	.10	.09
Arborvitae, Pyramidal, 4 to 10-in. ....	.10	.09
Juniper, Andorra, 4 to 8-in. ....	.12	.11
Juniper, Pfitzer, 4 to 8-in. ....	.12	.11
Juniper, Hetz, 4 to 8-in. ....	.12	.11
Taxus capitata (leaders), 4 to 8-in. ....	.14	.13
Taxus cuspidata, 6 to 8-in. ....	.12	.11
Taxus hicksii, 6 to 8-in. ....	.12	.11

50 of a variety at 100 rate.

250 of a variety at 1000 rate.

Free boxing.

2 per cent discount, cash with order.

DRAKE'S NURSERIES

G-4342 Branch Rd. Flint 6, Mich.

WELL-ROOTED CUTTINGS

Spring delivery

Each, 100 1000

Sargent Juniper, 5 to 8 ins.	\$0.12	\$0.11
Andorra Juniper, 5 to 8 ins. ....	.10	.09½
Spreading Yew, 6 to 10 ins. ....	.10	.09½
Brown's Yew, 4 to 6 ins. ....	.11	.10
Hatfield Yew, 4 to 6 ins. ....	.11	.10

25 per cent deposit on C.O.D. orders; 2 per cent discount for cash. Free packing.

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Al Nordheden

1200 N. Goodwin Ave. Urbana, Ill.

GARDEN ROOTS

Chipman's Canada Red and MacDonald Red Rhubarb, good No. 1 divisions. Write for prices.
Chapman's Berry Farm, East Leroy, Mich.

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VINCA MINOR

(Periwinkle, hardy Myrtle)

15 to 25 canes, hand-tied clumps, extra nice, fresh handled, \$50.00 per 1000; over \$1000, \$45.00 per 1000.

Hall's Honeysuckle (halliana), 3-yr., branched, \$45.00 per 1000.
Pachysandra, 1 and 2-yr., rooted cuttings, \$55.00 per 1000.

Euonymus coloratus, rooted cuttings, \$57.00 per 1000. Direct sun mist propagated.

H. C. WAUGH

Route 1 Gallipolis, O.

HARDY PLANTS

SALVIA, HUSKY SEEDLINGS, extra nice Bonfire, \$10.00 per 1000; America, \$12.00 per 1000; St. John's Fire, \$15.00 per 1000. Packed so you need not transplant for a week or more after arrival. Shipping now.

HOLUB GREENHOUSES, Oskaloosa, Iowa

America's best source

for Hardy Plants is

THE WAYSIDE GARDENS

Mentor, Ohio

Write for Trade List.

IRIS PUMILA ATROVIOLOACEA

True stock, nice strong plants, \$12.00 per 100. Iris dichotoma (Vesper Iris), \$8.00 per 100.

PRAIRIE FLORETUM, FALL RIVER, KAN.

SPECIALISTS IN HARDY PERENNIALS

Ask for wholesale offer.

PEARCE SEED CO., Moorestown, N. J.

LIRIOPE (OPHIPOGONS)

Strong divisions, 2c

MOUNTVILLE NURSERIES, Mountville, Ga.

WELERS BETTER PERENNIALS

WELER NURSERIES CO., Holland, Mich.

Write for trade list.

Check Your Stock NOW!

If you have a surplus

sell it through the

American Nurseryman Classified Ads.

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HELLEBORUS NIGER

(Christmas Rose)

3-yr. transplants, blooming size. Suitable to pot up for sales on roadside stands and garden centers.

\$50.00 per 100, \$450.00 per 1000.

C. HOOGENDOORN

Turner Rd. Newport, R. I.

HOLLY

HOLLY

Cutting-grown, named varieties of tried and proved worth.

AMERICAN HOLLY (Ilex opaca)

Priced per 100 2½-in. pots 3-in. pots

Posteri\$17.50

Howardi\$25.00

Savannah20.00

Taber20.00

ORIENTAL HOLLY

Cornuta femina17.50

Hetzl17.50

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Semmes, Ala.

ILEX OPACA FEMINA

Heavy 1-yr. liners, potted spring 1956,

from selected heavy, berried specimens.

6 to 8-in. plants, from 2½-in. pots

or deep soil cans,

A few male plants at the same price.

WARREN & SON NURSERY

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Oklahoma City, Okla.

BUT NAMED VARIETIES

OF ILEX AQUIFOLIUM AND ILEX OPACA

Cutting-grown and banded for shipment at

any time. Write for complete list.

Most varieties, \$45.00 per 100.

Old Heavy Berry, \$75.00 per 100.

J. S. WELLS NURSERY, INC.

P. O. Box 141 Red Bank, N. J.

ILEX OPACA FEMINA

Rooted cuttings, potted 1 full year.

Clark, Farage, Manig, Mae, Osa and Arden.

2½-in. pots, 6 to 8 ins., \$45.00 per 100.

HOOKSTRAW (Old Heavy Berry), 2½-in.

pots, 6 to 8 ins., \$65.00 per 100.

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218 Farview Ave. Paramus, N. J.

ILEX OPACA

SUPERIOR NAMED VARIETIES

WHOLESALE SUPPLIERS

OF LINING-OUT STOCK.

Write for price list.

HOLLY HAVEN, INC.

Box 75 New Lisbon, N. J.

HONEYSUCKLES

HONEYSUCKLES

Lonicera japonica halliana, extra-heavy No. 1, 3 and 4-yr., 18 to 24-in. field plants. 3, 4 to 6 leads, \$40.00 per 100; lighter grade, \$30.00 per 100; sample 100, \$4.00. Experienced labor for grading and packing quantity orders. Immediate shipment. No order too large. Phone: Or 2-4612.

ROBINSON NURSERY CO., Greenville, Ga.

HALL'S HONEYSUCKLE

From our own nurseries, \$20.00 per 1000.

MOUNTVILLE NURSERIES, Mountville, Ga.

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ENGLISH IVY (HEDERA HELIX)
Hardy, 8-in., well-rooted cuttings. Can supply in large or small leaved, \$50.00 per 1000; over \$1000, \$45.00 per 1000.

Baltic Ivy, good stock, nice roots, \$55.00 per 1000.

Indian Rock, very hardy, 1-yr. rooted cuttings, \$60.00 per 1000.

Boston Ivy, rooted cuttings, \$55.00 per 1000.

Upper River Rd. Gallipolis, O.

IVY DALE NURSERY

BALTIC IVY

2½-in. pots, 2 plants to the pot.

Good stock only.

\$12.50 per 100, \$115.00 per 1000.

Ready for shipment now.

SUSQUEHANNA GARDENS

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Phone Kingswood 5-7351

BALTIC IVY

Hardest Ivy. Fine for wall or ground cover. True stock. Well rooted plants, 8 to 12-in. vines. Per 100 Per 1000

2-in. pots\$12.50 \$115.00

2½-in. pots, 1-yr.20.00 190.00

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Russell Breece, Mtd. Rt. 9 Delaware, O.

LAWN GRASS AND SEED

MEYER Z-52 ZOYSIA LAWN GRASS
in economical, easy-to-keep turf form.

Ideal for planting in new or old lawns. Makes a beautiful, dense turf that chokes out weeds and crab grass, cuts lawn work by over one-half. Thousands of square yds. sold, at up to \$45.00 per sq. yd., to people who are tired of lawn work. Our price enables you to sell cheaper or underbid other dealers.

A sq. yd. equals about 400 2-in. round plugs; plants 300 to 400 sq. ft., only \$5.00 per sq. yd., F.O.B. Auburn. With soil on roots Zoysia stays fresh indefinitely and can be sold like burlapped stock. We also have Matrella and Emerald. Posters and brochures FREE. Valuable 24x48-in. outdoor sign with \$50.00 order. Write for complete information. Truckload lots delivered at attractive discounts.

BECK'S ZOYSIA CO.

861 N. College St. Auburn 3, Ala.

MEYER Z-52 ZOYSIA GRASS

State Inspected.

Producers of Meyer Z-52 Zoysia, 50-plug flats available for profitable retail display sales.

Write for special dealers' prices.

MIAMI NURSERY CO.

Corner of State Rts. 25 and 71

Tipp City, O.

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LINING-OUT STOCK

Grafts, out rose pots,

ready for field planting.

Cupressus gari\$0.45
Cupressus, Greenwood	......45
Biota conspicua	......45
Biota aurea nana	......45
Libocedrus decurrens	......50
Juniper, Blue Column	......50
Juniperus ceteleeri	......50
Juniperus squamata meyeri	......50
Juniper, Blue Haven	......50
Juniperus welchi	......50
Juniper, Dewdrop	......50
Juniperus cupressifolia erecta	......50

Cutting-grown, out of pots and bands.

Well established.

Buxus sempervirens	.....\$0.18
Euonymus japonicus Gold Spot	......20
Euonymus, Newport	......18
Euonymus jap. microphyllus	......18
Euonymus radicans minimus	......18
Euonymus radicans, upright	......18
Hedera helix	......15
Hedera helix, variegated	......18
Ligustrum, Vickary's Golden	......15
Lonicera heckrotti	......15
Lonicera purpurea	......15
Lonicera pileata yunnanensis	......18
Lonicera japonica Yellow Net	......20
Mahonia aquifolium	......20
Lavandula officinalis	......15
Lonicera lalandi	......15
Pyracantha pauciflora (dwarf)	......20
Santolinas	......15
Teucrium chamaedrys	......15
Juniperus pfitzeriana	......18
Juniperus pfitzeriana aurea	......18
Juniperus pfitzeriana glauca	......20
Juniperus pfitzeriana plumosa	......20
Juniperus hetzi	......18
Juniperus sabina	......18
Juniperus sabina Von Ehron	......20
Juniperus sabina tamariscifolia	......20
Juniper, Purple Andorra	......20
Juniperus squamata pargosii	......20

KENYONS NURSERY, DOVER, OKLA.

EVERGREENS

Andorra Juniper, 6 to 10 ins., bare-root	.....\$0.06
Blue Hetz Juniper, 6 to 8 ins., bare-root	......07
Dwarf Pfitzer (nana or Armstrong) Juniper, 6 to 8-in. bands	......20
Von Ehron Juniper, 8 to 10 ins., bare-root	......06
Procumbens Juniper, 6 to 8-in. bands	......20
Spreading Jap. Yew, 6 to 8-in. bands	......20
Bark's Juniper (upright), 6 to 10 ins., bare-root	......14

DECIDUOUS BARE-ROOT

Blue-leaved Arctic Willow, 8 to 10 ins.	......05
Chinese Privet Wayneide Gardens strain, 6 to 8 ins.	......03½
Forstythia Spring Glory, 8 to 10 ins.	......04
Hypericum Hidecote, 4 to 6 ins.	......08
Spiraea foebelia, 3 to 5 ins.	......03½

BROADLEAFS

Euonymus coloratus, 6 to 10 ins.	......03½
Euonymus patens, small or large leaved, 6 to 10 ins.	......04
Euonymus carrierei, 8 to 10 ins.	......06
Pyracantha lalandi, 5 to 6 ins.	......05
Pyracantha Kasan, 5 to 6 ins.	......12

PERENNIALS

Teucrium chamaedrys04

Less than 300 total order, add 2c more per plant.

McININCH GREENHOUSES

St. Joseph, Mo.

EXTRA FINE LINERS

Euonymus radicans, 2-yr.	Per 100 Per 1000
2½-in. pots	.....\$20.00 \$150.00
Euonymus radicans coloratus, 2-yr., 2½-in. pots	.....20.00 175.00
Spiraea Anthony Waterer, 2½-in. pots	.....15.00 125.00
Hovey Locust, thornless, 2-yr., seedlings	.....3.50 30.00
9 to 12 ins.	.....4.50 40.00
12 to 18 ins.	.....5.50 50.00
18 to 24 ins.	.....10.00 75.00
Thuja orientalis, 3-yr. transplants	.....10.00 75.00

BORK NURSERY

Onarga, Ill.

Phone AM 8-7267

FINER LINERS

OF ORNAMENTAL ARISTOCRATS
The best is always a bargain. Our liners are FINER LINERS because of our generations of experience. Let us send you our new spring, 1957 catalog which lists seeds to field-grown transplants and specimen ornaments. Come see us if you can.

JOHN VERMEULEN & SON, INC.

Phone FOxcroft 9-5211

Neshanic Station, N. J.

LINING-OUT STOCK—Continued

1-YEAR BEDDED-OUT STOCK		
	Per 100	Per 1000
<i>Ilex bullata</i>	\$20.00	\$180.00
<i>rotundifolia</i>	20.00	180.00
<i>crenata</i>	20.00	180.00
<i>hetzl</i>	20.00	180.00
<i>Juniperus pfitzeriana</i>	20.00	180.00
<i>hetzl</i>	20.00	180.00
<i>Magnolia soulangeana</i>	75.00	750.00
2-yr. beds	75.00	750.00
<i>soulang. nigra</i> , 2-yr. beds	75.00	750.00
<i>rustica rubra</i> , 2-yr. beds	75.00	750.00
<i>stellata</i> , 2-yr. beds	75.00	750.00
<i>Taxus hicksii</i>	17.50	150.00
<i>hatfieldi</i>	17.50	150.00
<i>browni</i>	17.50	150.00
<i>wardi</i>	20.00	175.00
<i>cuspidata</i>	17.50	150.00
<i>intermedia</i>	17.50	150.00
<i>Vermeulen</i>	17.50	150.00
<i>brevifolia</i>	20.00	180.00
<i>capitata</i> , 2-yr. tr. sdigs.	10.00	90.00

ROOTED CUTTINGS FROM SAND

Ready now.

	Per 100	Per 1000
<i>Buxus arborescens</i>	\$ 6.00	\$ 60.00
<i>Juniperus pfitzeriana</i>	11.00	100.00
<i>hetzl</i>	11.00	100.00
<i>Ilex hetzl</i>	10.00	80.00
<i>rotundifolia</i>	10.00	80.00
<i>convexa</i>	10.00	80.00
<i>helleri</i>	10.00	80.00
<i>Taxus andersonii</i>	11.00	100.00
<i>cuspidata</i>	10.00	80.00
<i>hicksii</i>	10.00	80.00
<i>browni</i>	11.00	100.00
<i>wardi</i>	11.00	100.00
<i>brevifolia</i>	15.00	125.00
<i>capitata</i> , leaders	15.00	125.00
<i>intermedia</i>	11.00	100.00
<i>hatfieldi</i>	11.00	100.00
<i>canadensis stricta</i>	11.00	100.00
<i>hunnelliana</i>	11.00	100.00
<i>Adams</i>	25.00	225.00
<i>Vermeulen</i>	11.00	100.00
<i>cuspidata nana</i>	11.00	100.00
<i>repandens</i>	11.00	100.00
<i>Moon's Columnar</i>	11.00	100.00

Special price on large quantity.

SEEDLINGS AND TRANSPLANTS		
	Per 100	Per 1000
<i>Abies Douglas</i> , 2-yr.	\$ 4.00	\$ 40.00
3-yr.	6.00	60.00
<i>Acer palmatum</i> , 1-yr.	6.00	60.00
<i>Cornus florida</i> , 1-yr.	6.00	60.00
No. 2, 1-yr.	5.00	40.00
2-yr., transplanted	15.00	125.00
<i>Eucalyptus alatus</i> , 2-yr.	6.00	60.00
<i>alatus compactus</i> , 2-yr.	6.00	60.00
<i>Ilex crenata</i> , 2-yr.	7.00	70.00
<i>Picea excelsa</i> , 3-yr.	3.50	30.00
<i>pungens</i> , 3-yr.	5.00	40.00
<i>Pinus austr.</i> , 2-yr.	7.00	60.00
<i>denata</i> , 2-yr.	5.00	40.00
<i>mughus</i> , 2-yr.	5.50	50.00
<i>resinosa</i> , 2-yr.	6.00	60.00
<i>syvestris</i> , 2-yr.	3.00	25.00
<i>strobus</i> , 2-yr.	4.50	40.00
<i>Syringa vulgaris</i> , 2-yr.	4.00	30.00
<i>Taxus capitata</i> , 1-yr. S.	5.00	40.00
transplanted, 1-yr. S.	6.00	60.00
2-yr. S.	10.00	90.00
transplanted, 2-yr. S.	10.00	90.00
<i>Tsuga canadensis</i> , 2-yr.	9.00	80.00
transplanted, 4 to 6 ins.	16.00	150.00
3-yr. transpl. 6 to 9 ins.	10.00	90.00
<i>Viburnum wrightii</i> , 1-yr. S.	10.00	90.00
<i>theiferum</i> , 1-yr. S.	10.00	90.00

POT-GROWN GRAFTS, shipping now

	Per 100	Per 1000
<i>Acer polymorphum atrop.</i>	\$ 75.00	\$ 750.00
<i>dissectum atrop.</i>	75.00	750.00
<i>Abies nobilis</i> , 1-yr.	100.00	1000.00
<i>pinasop glauca</i>	100.00	1000.00
<i>Carpinus fastigiata</i>	60.00	600.00
<i>Cornus florida rubra</i>	50.00	500.00
<i>florida rubra Prosser</i>	65.00	650.00
<i>florida fl. plena</i>	60.00	600.00
<i>florida weichi</i> var.	55.00	550.00
<i>Hamamelis mollis</i>	50.00	500.00
<i>Fagus sylvatica riveral</i>	60.00	600.00
<i>sylvatica heterophylla</i>	60.00	600.00
<i>sylvatica pendula</i>	60.00	600.00
<i>sylvatica fastigiata</i>	60.00	600.00
<i>sylvatica tricolor</i>	75.00	750.00
<i>Picea moerhousii</i>	100.00	1000.00
<i>Magnolia linnii</i>	75.00	750.00
<i>stellata</i>	75.00	750.00
<i>stellata rubra</i>	75.00	750.00
<i>stellata Waterlily</i>	75.00	750.00
<i>parviflora</i>	75.00	750.00
<i>Pinus strobus nana</i>	60.00	600.00
<i>strobus pendula</i>	60.00	600.00
<i>parviflora glauca</i>	60.00	600.00
<i>wateriana glauca</i>	60.00	600.00
<i>tanyosho</i>	60.00	600.00
<i>Retinospora obt. crispal</i>	50.00	500.00
<i>obt. gracilis</i>	50.00	500.00
<i>Viburnum carlesii</i>	50.00	500.00
<i>burkwoodii</i>	50.00	500.00

HEAVY, FIELD-GROWN.

BARE-ROOT, SALABLE STOCK		
	Per 100	Per 1000
<i>Acer polymorphum atrop.</i>	\$300.00	\$3000.00
12 to 15 ins.	400.00	4000.00
16 to 18 ins.	250.00	2500.00
<i>Franklinia alatamaha</i> , 2 to 3 ft.	60.00	600.00
<i>Viburnum theiferum</i> , 18 to 24 ins.	60.00	600.00

Complete wholesale list on request.

VERKADE'S NURSERIES, Wayne, N. J.

Start Your Offer Now
in the American Nurseryman
And Watch Sales Clim.

LINING-OUT STOCK		
	Per 100	Per 1000
<i>Cornus florida rubra</i> , 2½-in. grafts ..	\$ 60.00	\$ 600.00
<i>Cornus florida rubra</i> Prosser, grafts ..	65.00	650.00
<i>Picea kosteriana</i> , 2½-in. grafts	100.00	1000.00
<i>Picea pungens hoopii</i> , bluer than	100.00	1000.00
<i>Koster</i>	100.00	1000.00
<i>Pyracantha lalandi</i> (red.), 3-in. pots ..	25.00	250.00
<i>Pyracantha lalandi</i> (red.), 3-in. pot ..	25.00	250.00
<i>Ilex opaca</i> , named vars., 3-in. pots ..	35.00	350.00
<i>Ilex convexa</i> , rooted cuttings, per 1000 ..	50.00	500.00
<i>Taxus</i> , in variety, rooted cuttings, 1000 ..	75.00	750.00
<i>Azalea Hino-Crimson</i> , rtd. cuttings, 1000 ..	50.00	500.00
<i>Retinospora lutescens</i> , rooted	75.00	750.00
cuttings, per 1000	75.00	750.00
<i>Taxus capitata</i> , 2-yr. trans., strong ..	10.00	100.00

PRAIRIE NURSERIES

Waterford Works, N. J.

TAXUS		
	Per 100	Per 1000
Rooted cuttings	\$10.00	\$100.00
<i>Fastigiata</i>	10.00	100.00
<i>Cuspidata</i>	10.00	100.00

HILLCREST GREENHOUSES, Franklin, Pa.

MAGNOLIAS

MAGNOLIA GRANDIFLORA

2½-in. pots, potted last spring, 4 to 8 ins. high, \$15.00 per 100. Shipped in clay pots unless instructed to remove, \$140.00 per 1000 here, you pick up. In gallon cans, 18 ins. to 3 ft. high, not heavy in leaf, excellent item for large cans or field, 60¢ each; no shipping this item. Many sizes in field. B.B. Interested in outstanding specimen trees. Cash and no charge for packing.

HARWELL NURSERY, VAN BUREN, ARK.

MAPLES

NORWAY MAPLE

Straight trunks. Fine heads. Very fibrous roots.

	10-49	50-250
6 to 8 ft.	\$ 3.00	\$ 25.00
8 to 10 ft., 1 to 1½-in.	4.40	35.00
9 to 11 ft., 1½ to 1¾-in.	4.00	5.00
10 to 12 ft., 1¾ to 1½-in.	8.80	7.00
11 to 13 ft., 1½ to 2-in.	11.00	9.00

PRINCETON NURSERIES

Princeton, N. J.

COLLECTED ACER

RUBRUM AND SACCHARINUM

from whips to 4-in. caliper.

CURTIS NURSERIES, INC.

Callicoon, N. Y.

PACHYSANDRAS

PACHYSANDRAS

1-year-old, large frame-grown plants.

Satisfaction guaranteed.

Large quantity.

\$5.00 per 100, \$40.00 per 1000,

\$38.50 per 5000.

BRUNDAGE & GUTHRIE

123 Franklin St. Tarrytown, N. Y.

PACHYSANDRAS

Strong rooted cuttings, \$4.25 per 100, \$40.00 per 1000.

DUNWOODIE NURSERIES

6 Smart Ave. Yonkers, N. Y.

PACHYSANDRAS

Out of 2-in. pots, \$12.00 per 100, \$100.00 per 1000, F.O.B. Elizabeth, N. J.

DELAWARE VALLEY NURSERY

948 N. Broad St. Elizabeth, N. J.

PEONIES

GRAFTED TREE PEONIES

RED, WHITE, PINK, PURPLE.

2-yr., \$15.00 per 10. A yellow Tree Peony for \$25.00 with each order. Fall delivery.

Send for list of all kinds of Peonies.

ATHA GARDENS, West Liberty, O.

PHLOX

HARDY PHLOX, 2½-IN. POT SIZE

Best varieties of most recent introductions.

Spring propagation from root divisions.

\$10.00 per 100, \$90.00 per 1000.

American Beauty, red

Adonia, fuchsia-red

Caroline Vandenberg, lavender-blue

Elaine, orange-crimson

Esquire, deep rose-red

Pink Charm, clear pink

Pinkette, pastel pink

Red Bird, bright crimson

Starlight

World Peace, pure white

R. H. MURPHY'S SONS CO.

Urbana, O.

PIERIS

PIERIS JAPONICA

(Andromeda)

Spring delivery.

Bed-grown, 2-yr.-old.

\$20.00 per 100, \$175.00 per 1000.

Minimum order 100 plants.

DESCANSO DISTRIBUTORS, INC.

12492 Pipeline Chino, Calif.

PIERIS JAPONICA (ANDROMEDA)

	Per 100	Per 1000
1-yr., T, 2 to 3 ins.	\$8.00	\$75.00
Seedlings, 1 to 2 ins.	6.00	50.00

FLAME VIEW NURSERY

West Main Rd. Newport, R. I.

RHODODENDRONS

CUTTINGS GROW BETTER

FLOWER BETTER

AND RESIST THE WILT

All our plants are grown from cuttings

and can be planted with complete confidence.

Varieties of ironclad hardiness only. Write

for complete list.

Our selection, 25 per cent reds, \$75.00 per 100.

All red varieties, \$90.00 per 100.

J. S. WELLS NURSERY, INC.

P. O. Box 141 Red Bank, N. J.

RHODODENDRONS

For immediate shipment. Unnamed hybrid of hardy ponticum-catawbiensis parentage. Good foliage. For growing on or over

the counter sales, with firm lightweight ball, twice transplanted, bed-grown, 20¢ each.

50 plants per crate. Order by crate only.

Lightweight, expert frost-proofed crating

free. Cash with order.

RICHARD P. RESSEL NURSERY

Mulino, Ore.

HYBRID RHODODENDRONS

Landscape sizes.

Different colors.

PARMENTIER'S ROSES

Grady St. Bayport, L. I., N. Y.

Phone Bayport 8-0811

RHODODENDRON MAXIMUM

Nursery-grown and collected, 2 to 7 ft.

high. Well-shaped, symmetrical plants.

CURTIS NURSERIES, INC.

Callicoon, N. Y.

50,000 hybrid Rhododendron liners, cut-

ting-grown, 50¢ up.

Kordus Nursery, Deer Park Ave., R. D. 4,

Box 152, Huntington, L. I., N. Y.

Quick — Convenient — Cheap!

Selling through the Classified Ads

of the American Nurseryman.

ROSEBUSHES

FIELD-GROWN ROSEBUSHES

FINEST QUALITY.

Hybrid Teas, Floribundas,

Polyanthas and Climbers.

Price and variety list on request.

WELLS BROS. NURSERY

Box 625 Lindale, Tex.

SEEDS

CHINESE ELM SEED

NEW DROP.

READY FOR IMMEDIATE DELIVERY.

1 to 5 lbs. \$1.40 per lb.

6 to 10 lbs. 1.25 per lb.

Over 10 lbs. 1.10 per lb.

This seed tests very well.

A high percentage will germinate.

McCANCE NURSERIES

Route 3 North Platte, Neb.

Start Your Offer Now

in the American Nurseryman

And Watch Sales Climb.

SHRUBS AND TREES

HOLLY.

Ilex East Palatka, 2-in. pots*East Palatka*, rooted cuttings*cassine angustifolia*, large leaf*Foster's Hybrid*, ready June 15

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TAXUS

TAXUS
2-yr.-old liners, transplanted, field-grown.
Certified nursery stock.
Ship beetle zone, outside beetle zone.
Hatfield
Cuspidata capitata, rooted from leaders
Cuspidata, spreading
Mooni, upright
Hickst, upright.

\$40.00 per 100, \$350.00 per 1000.
Special price quoted on quantity.
LARRY'S NURSERIES, INC.
960 Reservoir Ave. Cranston, R. I.

VEGETABLE PLANTS

OUTDOOR-GROWN PLANTS
WRITE FOR COMPLETE WHOLESALIST
OF POPULAR VARIETIES

State inspected, carefully moss-packed.
Cabbage, popular varieties.....\$3.95 per 1000
RED ACRE Cabbage..... 3.00 per 1000
Onions, popular varieties..... 3.95 per 5000
HYBRID Onions, Yel. Spanish, 6.50 per 6000
Tomatoes, popular varieties..... 3.00 per 1000
HYBRID Tomatoes..... 4.75 per 1000
Peppers, hot..... 4.50 per 1000
Peppers, sweet..... 3.50 per 1000
Sweet Potato Porto Rico..... 4.35 per 1000
Sweet Potato Red Velvet..... 5.00 per 1000
BUNCH Porto Rico Sw. Potato 8.00 per 1000
Packed 1000 to a new basket; tops up;
roots down, on damp moss. Shipped by
express.

All guaranteed, fresh pulled, true to name.
FARRIER PLANT CO., B. B. BROWN
Box 555, Morris Co., Omaha, Texas.

VINCAS

VINCA MINOR, SEEDS AND RUNNERS
Seeds, 110, \$1.00.
Runners..... Per 105 Per 210
Blue.....\$4.00 \$7.00
Seedlings..... 4.50 8.00
Bowles..... 5.00 9.00
GOLDEN ACRES NURSERY (A)
Shippewana, Ind.

HARDY MYRTLE (Vinca minor)
Medium liners, \$10.00 per 1000.
Large liners, 3 to 5 leads, \$25.00 per 1000.
Medium clumps, 3 to 10 leads, \$35.00 per 1000.
BART'S NURSERY, FULLERTON, PA.

VARIETATED VINCAS
Good salable plants, field-grown, \$50.00 per
1000.
MOUNTVILLE NURSERIES, Mountville, Pa.

Hardy Myrtle (Vinca minor), \$6.00 per 100,
\$50.00 per 1000; 5000 or more, \$45.00 per
1000. Cash. Samuel I. Minder, 305 Euclid
Ave., Lancaster, Pa.

SUPPLIES

CANE STAKES

NBS
NURSERY BAMBOO STAKES
These imported stakes are especially se-
lected for nursery and florist use. All are bot-
tom or butt cuts for minimum taper, cut
closely to a joint to reduce splitting. These
are the finest quality obtainable.

Per bale
4 ft., 1/2 to 3/4-in. dia., 500 per bale.....\$22.50
5 ft., 1/2 to 3/4-in. dia., 250 per bale..... 17.50
6 ft., 1/2 to 3/4-in. dia., 200 per bale..... 17.50
7 ft., 1/2 to 3/4-in. dia., 150 per bale..... 19.00
8 ft., 1/2 to 3/4-in. dia., 100 per bale..... 16.00
Less these generous quantity discounts: 5
bales up, less 10 per cent; 10 bales up, less
15 per cent; 25 bales up, less 20 per cent.
Bale lots only.

F.O.B. Ridgefield. Immediate shipment.
Pencil thick bamboo stakes also available.
Write for prices.
McHUTCHISON & CO.
695 Grand Ave. Ridgefield, N. J.

BAMBOO CANE STAKES
For greenhouse and nursery purposes.
All types and sizes.
Write for prices and quantity discounts.
ALEC HENDERSON, INC.
1305 W. Randolph St. Chicago 7, Ill.
BAMBOO STAKES, GREEN OR NATURAL.
PENCIL THICKNESS TO 1-IN.
A. C. PATTERSON, CENTERTOWN, KY.

FLATS

REDWOOD FLATS, K. D.
Finest stock obtainable. Guaranteed all
clear heart. Size 20x15x3 ins. inside measure.
\$38.00 per 100.
1x1-in. Cypress stakes, pointed.
50 pcs. to bundle, 4 ft., \$3.50 per bd.
50 pcs. to bundle, 5 ft., \$4.50 per bd.
50 pcs. to bundle, 6 ft., \$5.50 per bd.
Ship same day. Cash with order, please.
YOH & HOOKER, Youngstown 2, O.

MINNESOTA WHITE CEDAR FLATS

Order by No.	Wt.	Price
No.	Per 100	Per 100
No. 1, 14x20x2 1/2	320	\$25.00
No. 2, 14x20x3 1/2	400	29.00
No. 3, 12x16x2 1/2	260	19.00
No. 4, 12x16x3 1/2	275	22.50
No. 5, 14x16x2 1/2	275	21.50
No. 6, 14x16x3 1/2	290	25.50
No. 7, 15x22 1/2x2 1/2	380	28.50
No. 8, 15x22 1/2x3 1/2	425	33.00
No. 9, 11 1/4x22 1/2x2 1/2	320	23.00
No. 10, 11 1/4x22 1/2x3 1/2	400	26.75
No. 11, 14x16x5	450	30.00
No. 12, 5x11x5	160	16.00
No. 13, 5x11x5	215	18.50
Plant boxes, 5x8 1/2x2 1/2	45	5.00

All other prices quoted on request.
5 per cent discount on order of 1000 or
more.

The above measurements are inside. Bot-
toms and sides of cedar flats are 3/4-in. thick;
ends are 1/2-in. Plant boxes are thinner.

All material surfaced on one side.
Your name and address printed up to 3
lines in black ink, on one or both end pieces
at the following rates: Set-up charge, \$1.00,
plus 1/2¢ per piece for the first 1000 ends, 1/4¢
per end thereafter. Shipped knocked-down
in units of 25.

All shipments by truck unless otherwise
ordered. F.O.B. Cook, Minn. Attach check.
H. C. HILL & SONS, Cook, Minn.

FERTILIZERS

PETERS SPECIAL SOLUBLE
FERTILIZERS
20-20-20, the best general purpose feed
21-7-7 Azalea Acid (for hard-water sections)
21-7-7 Azalea Neutral (for normal water)
All above, \$6.50 per 25-lb. bag.
\$22.00 for 4 25-lb. bags.

PETERS SPECIAL UREA FORM
FERTILIZERS (NON-SOLUBLE)
13-6-6 Organic Special. Ureaforn Nitrogen
and natural organics. A pot-plant special
dry feed. Non-soluble.
\$7.50 per 25-lb. bag.
\$25.00 for 4 25-lb. bags.

Du Pont Uramite, 33 per cent nitrogen from
ureaformaldehyde.
(\$12.00 per 50-lb. bag.)
All above material in F.O.B. Allentown.
ROBERT B. PETERS CO.
137 N. 7th St. Allentown, Pa.

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American Nurseryman Classified Ads.

HOTBED SASH

SISALGLAZE SASH
Get all the information before you buy
your sash. Also information on Sisalglaze
greenhouses.

ROUGH BROS.
4227 Spring Grove Ave. Cincinnati 23, O.

LABELS

DAHLIA OR TREE LABELS
Priced per carton
Plain Painted
3 1/4x4 ins., notched, not wired \$3.00 \$3.60
3 1/4x4 ins., wired (copper)..... 3.95 4.90

POT LABELS
4x4 ins. (cartons 1000 each)..... 3.95 4.60
5x4 ins. (cartons 1000 each)..... 4.30 5.10
6x4 ins. (cartons 1000 each)..... 4.70 5.80

Priced per carton
Plain Painted
8x4 ins. (cartons 500 each)..... \$3.50 \$4.30
10x4 ins. (cartons 500 each)..... 4.20 5.10

GARDEN STAKES
8x 1/2 ins. (cartons 250 each)..... 3.00 3.60
10x 1/2 ins. (cartons 250 each)..... 3.30 3.90
12x1 1/2 ins. (cartons 100 each)..... 2.00 2.40

Our labels are perfectly white and smooth
on both sides and are pronounced by growers
the best and most economical.

Catalog on request.
"We ship same day."

YOH & HOOKER, YOUNGSTOWN 2, O.
Surplus Stock
can be easily and quickly turned into
Cash
by listing it in the
American Nurseryman Classified Ads

NURSERY SUPPLIES

NURSERY SUPPLIES
FIR BARK.....2-cu. ft. bag, \$ 3.75
FIR BARK.....hobby bag, 1.25
Detox.....qt., \$3.50; gal., 11.00
Gaviota.....1 lb., 1.25; 5 lbs., 5.00
Fish Meal.....1 lb., .60; 10 lbs., 5.00
Anti-Damp.....qt., 3.00; gal., 9.75
Tree Crystals.....5 lbs., 1.60; 25 lbs., 7.45
Dolomite Lime.....25 lbs., 4.50; 50 lbs., 7.50
Hoof and Horn
Meal.....25 lbs., 4.50; 100 lbs., 14.50
Ammonium
Nitrate.....25 lbs., 2.75; 100 lbs., 8.75
3-1-2 Fertilizer.....1 lb., 1.00; 25 lbs., 15.00
Atlas Fish Emulsion qt., 1.90; gal., 6.25
Stake Holders for
potting in Fir bark......6, 1.00; 72, 10.85
Hydromix Units for spraying and
foliage feeding..... 3.95
Priced F.O.B., subject to change without
notice.

WRIGHTWOOD FLORAL CO., INC.
1429 Wrightwood Ave. Houston 9, Tex.

PEAT MOSS

HOLLAND PEAT MOSS
"BRODLEAF" quality. Just arrived.
Standard burlapped bales.
\$3.65 each; 10, \$34.25.
Priced F.O.B. Houston.
WRIGHTWOOD FLORAL CO., INC.
2407 N. Main St. Houston 9, Tex.

PLANT TIES

THE NEW FADE-PROOF
QUIK-TIES
Now made of colorfast plastic.
Semi-invisible, economical, easy to use.
Packed in carton of 10,000 Per carton
4-in.\$10.00
8-in. 18.00
12-in. 27.00
Postage paid when cash with order.

Carton lots only.
McHUTCHISON & CO.
695 Grand Ave. Ridgefield, N. J.

PLANT TUBS

Redwood plant tubs, featuring solid copper
bands. Coasters, with and without drainage
bowls. Dipped in natural finish preservative.
Freight prepaid. Write. Gary Wood Products,
3547 Mimosa, Memphis, Tenn.

PLASTIC FILM

POLYETHYLENE FILM
2 mil. in 200 ft. rolls, 36 ins. wide, \$6.43;
54 ins. wide, \$9.55; 108 ins. wide, \$18.85.
4 mil. in 100 ft. rolls, 36 ins. wide, \$6.87;
54 ins. wide, \$9.91; 108 ins. wide, \$22.05.
5 rolls, less 10 per cent; 10 rolls, less 20
per cent. Also wider widths available.
Information on Sisalglaze Polyflex available.
We pay freight if check with order.

ROUGH BROS.
4229 Spring Grove Ave. Cincinnati 23, O.

SPHAGNUM MOSS

NO. 1 SPHAGNUM MOSS
Large burlap bales, long fibered, clean,
firmly packed; bale, \$1.30.
JOSEPH JAMROS, CITY POINT, WIS.

Fresh, clean sphagnum moss, large, burlap
bales, \$1.25 each. Write for our low prices
on wire-bound bales in truckloads or cartons.
Pure Sphagnum Moss Co., City Point, Wis.

Long-fibered sphagnum moss, also ground
moss. Price us on truckloads delivered.
Warrens Moss Co., Warrens, Wis.

STAKES

CYPRESS PLANT STAKES
50 pieces to bundle
1x1-in.—3 ft., pointed.....\$3.00 per bundle
1x1-in.—4 ft., pointed..... 3.50 per bundle
1x1-in.—5 ft., pointed..... 4.50 per bundle
1x1-in.—6 ft., pointed..... 5.50 per bundle
1x1-in.—7 ft., pointed..... 7.00 per bundle
These stakes are made of cypress and red-
wood; are good, strong stakes and will give
long service. "A little better than seems
necessary."

WE SHIP SAME DAY!
YOH & HOOKER
Youngstown, O.

STAKES, GALVANIZED HARD STEEL.
GALVANIZED tree guying WIRE.
HOSE for guy wire FADDING
Prices and sample sent on request.
SCHUFF SUPPLY CO., WILMETTE, ILL.

TRADE BOOKS

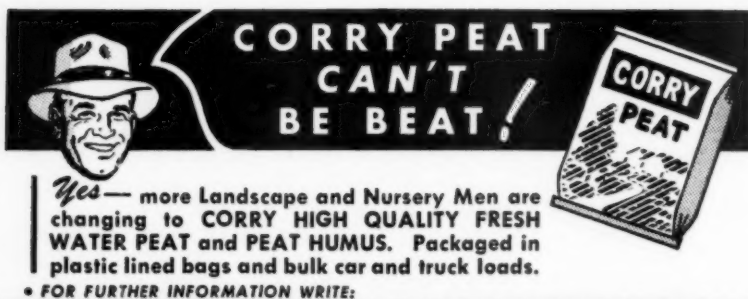
TRADE BOOKS.
Suggestions for nurserymen and their
employees:
GREENHOUSE GARDENING FOR
EVERYONE,
by Ernest Chabot, \$4.75.
THE BOOK OF SHRUBS,
by A. C. Hottes, \$4.00.
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by A. F. Gustafson, \$2.50.
TREES FOR AMERICAN GARDENS,
by Dr. Donald Wyman, \$7.50.

These books may be obtained, postpaid, at
the publishers' prices indicated, from

AMERICAN NURSERYMAN
243 South Dearborn Chicago 4, Ill.

WOOD PRESERVATIVES

WOOD PRESERVATIVE
Treat your flats with END-O-ROT, the
proved non-toxic wood preservative, \$2.50
per gal. Freight prepaid on 30 and 55-gal.
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NEW YORKER BAG & BURLAP CO.
651 Marshall St. Elizabeth, N. J.
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CORRY PEAT CAN'T BE BEAT!

Yes — more Landscape and Nursery Men are changing to **CORRY HIGH QUALITY FRESH WATER PEAT and PEAT HUMUS**. Packaged in plastic lined bags and bulk car and truck loads.

• FOR FURTHER INFORMATION WRITE:

CORRY BOG INC. • CORRY, PA.

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Display: **\$4.50** per inch, each insertion.

Lines: **40¢** line; minimum order **\$4.00**.

FOR SALE

285-acre farm in northern Pennsylvania. 120 acres cleared, 165 acres wooded. Beautiful mountain valley location 10 miles from Coudersport, Pa. 23 miles off New York state express highway. Paved blacktop road runs $\frac{3}{4}$ mile through property. New house, two baths, all conveniences. Natural gas, phone, abundance of pure water year around. Large barn. Ideal for Christmas tree plantation and forest tree nursery. No other forest tree nursery in same area. Plenty of extra acreage available for expansion. Property well suited for use as country estate or sportsman's retirement home. Complete information from owners. Your realty agent protected on sale. Write to:

SUNCREST
EVERGREEN NURSERIES
Box 150 Johnstown, Pa.

FOR SALE

Established nursery, general garden supply store and landscaping business. Complete equipment and tools, including two trucks, power mowers, etc. Also perennials, annuals, trees and shrubs. 525 ft. of road frontage in the Bay Shore-Islip, Suffolk Co., Long Island, N. Y., area. Greenhouse and modern 7-room dwelling on property. Must sell due to ill health. For particulars, write to CARLETON E. BREWSTER, 88 W. Main St., Bay Shore, N. Y.

HELP WANTED

SALESMAN

Expanding wholesale nursery needs aggressive representative. Write giving age, experience and all pertinent information in first letter. All replies will be kept strictly confidential. Write Box 348, care of American Nurseryman.

HELP WANTED

Nursery foreman for large nursery located on Long Island. Good salary; housing available. Write Box 391, care of American Nurseryman.

HELP WANTED FOREMEN

By large midwest nursery. Must be experienced in all phases of nursery work. When writing, give age, experience and wages expected. Reply Box 396 care of American Nurseryman.

FOR SALE

8 $\frac{1}{2}$ -acre, 651-ft. business frontage on heavy-traveled Northwestern lake region, connecting other trunk lines. Property contains nursery with stone house and modern 40x40-ft. store. Ample water in small lake for irrigation. Ideal for garden center and landscaping or any other business, 6 miles from Detroit city limits. Write

C. BRAKKE
31300 Northwestern Hwy.
Farmington, Mich.

FOR SALE

Used complete greenhouses. Used greenhouse materials, glass, pipe, valves, etc. Greenhouses bought for wrecking.

SEABOARD GENERAL SUPPLY CO.
Elizabeth 4-9041 Waverly 6-0404
1080 Magnolia Ave. Elizabeth, N. J.

FOR SALE

Well-established, going concern. More business than we can handle. A natural — located across from Luther Burbank experimental gardens. 425-ft. frontage. 2 $\frac{1}{2}$ acres sandy loam soil. large show-type greenhouse, outbuildings, stock, equipment and 4-bedroom home. \$49,000. Write: DUNCAN LAND CO., Santa Rosa, Calif.
1612 Santa Rosa Ave. Santa Rosa, Calif.

FOR SALE

Nursery doing a good business, located inside city limits, on main four-lane highway. 1 $\frac{1}{2}$ acres, three greenhouses and a home. Poor health is the reason for selling.

CARL WHITE'S NURSERY
716 S. Ninth Ave.
Walla Walla, Wash.

FOR SALE

Landscape nursery in good growing community on main trunk line. 4 $\frac{1}{2}$ acres good stock of R&B material, 7-room modern house and 22x80-ft. storage house. Come and see us in action. Poor health only reason for this ad. Reply Box 397 care of American Nurseryman.

HELP WANTED LANDSCAPE FOREMAN

Willing worker with retail experience in merchandising and sales in a diversified garden center. Thorough knowledge of the nursery business essential. Permanent position for a responsible man.

SUBURBAN NURSERY
610 Hempstead Turnpike
West Hempstead, L. I., N. Y.

MULTNOMAH COUNTY SHOW

The combined talents of scores of Oregon nurserymen, landscape gardeners, landscape architects, florists and amateur gardeners created this year the most beautiful of the annual Multnomah county spring garden shows yet produced. Joe Klupenger, Klupenger Nursery, Portland, show chairman for the Oregon Association of Nurserymen; Norman June, Shrubbery Plantings, Inc., heading work for the landscape nurserymen; Adolph Habluetzel, Adolph's Flower Shop, president of the Oregon Florists' Club; Laurence Underhill, landscape architect who designed the theme garden, and Mrs. Theodore Rabel, superintendent of displays, headed over-all planning of the show, which was held May 1 to 5.

Tons of Rock Used

Twelve tons of rock and selected stone from Georgia, Tennessee, Utah, Arizona, Oregon and Washington were used in the beautiful theme garden. Emphasis was placed on terrene rock, a pinkish, natural Oregon stone much in favor in Oregon gardens at present. Towering over this display was an 18-foot waterfall, sending 500 gallons of water per minute into a brook which coursed 80 feet through the theme garden and ended in a modern pool. Also featured in the garden were four patios, designed in the traditional, rustic, Oriental and modern manners.

On the day prior to the show opening, thousands of shrubs, trees and other plants were moved into the theme garden and into other displays arranged by nurserymen and landscape gardeners in an annex building adjoining the building in which the theme garden of the show was constructed. It was estimated that more than \$200,000 worth of nursery and florists' stock was used in the show. Among the nursery plants shown were many fine specimen items, such as rhododendrons and azaleas, some of which were 25 years old.

Held at Fairgrounds

The fourth annual show, like former exhibitions, was held in the Multnomah county fair buildings at Gresham. This was the first show held since 1955, because the disastrous freeze in the fall of 1955 ruined many shrubs and trees that were to have been used in the 1956 show.

Sponsors of the show are the Oregon Association of Nurserymen; Landscape Gardeners, Inc., and the Oregon Florists' Club, in cooperation with the board of county commissioners of Multnomah county. Indi-

SHOW

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vidual nurserymen entered displays which featured everything from patios to garden scenes.

An entire building was also used by the florists. Still another was used by nurserymen, where plants and shrubs, such as those used in the theme building, were for sale. Other buildings on the grounds were used by amateurs and garden clubs.

C. H. P.

PACIFIC COAST REPORTS

[Continued from page 12]

this specific area we are now feeling the pressure of demand resulting from 10 to 12 years of population and housing increase.

"The past season definitely indicated that a considerable percentage of the citizens in this new area are becoming garden conscious, and it is our opinion that the demand for many types of nursery stock in this area will continue to exceed the supply for some time to come. Coupled with this increased demand is an increase in the number of retail nurseries, as almost every subdivision of any size has one or more shopping centers, which in turn will eventually have in them a retail nursery serving the local area. This, of course, has made it difficult for the wholesalers adequately to service the retail nurseries, and there has developed a further marketing function through the rapid expansion of wholesale nurseries who are both producers and, especially, brokers of a general line of nursery stock.

More Truck Use

"Shipping problems, locally, embrace the greater use of our own trucks, which means more capital investments in equipment and higher labor costs. Increased volume of shipments out of the state create problems because of consistently increasing freight rates. Wherever possible we are using combination carloads or truckloads.

"We have had a rather open winter, so many of our retail nurseries have been busy practically since last October. However, we had a cool spell during the early and middle parts of April, which checked the demand for nursery stock. Business is still progressing satisfactorily for most retailers. We believe that there will continue to be a shortage of certain types of nursery stock in this area, as it seems to be virtually impossible to increase production rapidly enough to keep up with the rising demand.

"Prices, in this area, while firm, are not increasing too rapidly. We are holding the line at this moment,



PREMIER
Sphagnum
PEAT MOSS

Plastic packages

PREMIER
PROFIT LINE

Plastic Bales—poly laminated inside and outside

LOOKS better
SELLS better

PREMIER'S PLASTIC LINE

- The finest sphagnum peat moss in colorful, eye-catching packages
- Easy to store, sell, deliver
- Weather-proof — rot-proof — clean — no spillage
- The outstanding merchandising packaged line for nurseries
- Free posters, literature, mats

Sell SOIL X-PEDITER—the ready-to-use, free-flowing sphagnum peat in bags—8 sizes, 2½ to 100 lbs.—plastic protected.

Any combination can be shipped in one car

Send for prices and details
PREMIER PEAT MOSS CORP.
335 Fifth Ave., New York 17, N. Y.

PROFITS
are better

More nurseries use PREMIER Peat Moss than any other brand

Premier Peat Moss gives the surest way to get good results in soil conditioning, mulching, transplanting, seedbeds, and lining out. More nurseries use Premier than any other brand. Available in bales for every need from Canada and Europe.



Available in big-value bales
—vener or burlap

WATCO MISTING SYSTEMS

Used by the leading growers of the country



¾ in. 4W Wide-Angle MISTING NOZZLE
\$2.95 each

**INSURE HEALTHY
ROOTED CUTTINGS —
FASTER
AT LOWEST COSTS**

**INTERMITTENT SYSTEMS
FOR ALL CROPS**

WATCO



Complete Clock-Timer and full ½-inch solenoid-wired, ready to hang up.

\$65.00

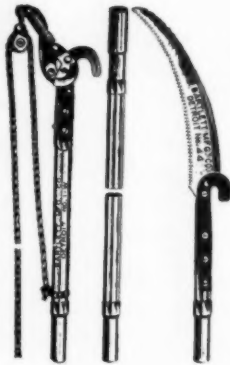
NOZZLES — TIMERS — SOLENOIDS — STRAINERS — ACCESSORIES
LAYOUTS SUPPLIED FREE — SEND FOR BULLETIN No. 30

AL SAFFER, Horticultural Supplies, 130 W. 28th St. New York 1, N. Y.
Oregon 5-2248

BARTLETT "WE" COMBINATION

Handiest combination ever made!
Combines heavy-duty trimmer and
fast-cutting pole saw.

The trimmer easily clips limbs up to 1 1/4 in. diameter and, with the pole saw, will do almost every job. Both the trimmer and saw have 30-in. head sections which fit the same octagon spruce pole. Furnished with two 6-ft. pole sections. Poles also available in 4 and 8-ft. lengths. Total wt. 8 lbs. Easily carried in small car.



Complete, \$32.70

Delivered in U.S.A.

Additional pole sections extra.

**FOR EXTRA PROFITS SELL
BARTLETT TREE PAINT**



Every tree owner is a prospect for this fast-moving specialty. All tree and pruning wounds should be treated with this specially prepared compound made with pure Egyptian black asphalt base. Easily applied with ordinary brush. Will not crack, blister or freeze.

This attractive display rack holds six 1/2 pts., 5 pts., 4 qts. Fully stocked, costs but \$7.25 F.O.B. Detroit, via express. Retail value \$14.25. Refills in case lots at jobber discounts.

Retail Price—Less than Case Lots
1/2-pt. can (48 to carton).....\$0.60
1-pt. can (48 to carton)..... .90
1-qt. can (24 to carton)..... 1.60
1-gal. can (6 per carton)..... 3.50

F.O.B. Detroit, via express.

Write Dept. 53 for new catalog showing complete Bartlett line.

BARTLETT MFG. CO.
3003 E. Grand Blvd. DETROIT 2, MICH.

although there will be minor adjustments.

"We have increased our production somewhat in the past several years, but the greatest effort in the future will probably have to go directly toward more economical production through the use of labor-saving machinery and more efficient fertilization, irrigation, etc., and more rapid and scientific production of material in our propagating department.

"Collections have been reasonably good this season, compared with recent years."

Previous Records Broken

While his firm's sales set a new record this season, Howard Past, president, Monrovia Nursery Co., Azusa, Calif., sees the time near when promotion efforts will have to be stronger. He writes:

"The demand for container-grown nursery stock has been heavy this spring, and we of the Monrovia Nursery Co. are happy that we have broken all previous records as to sales.

"The demand for container-grown material seems to be gaining all over the United States, and we are now shipping into practically all states. In order to meet a fast delivery schedule it has been necessary for us this year to load our trucks at night as well as in the daytime. We installed floodlights on our shipping dock, and this seemed to work out in a satisfactory manner.

"There was an ample supply of labor available this season. However, the big problem seems to be the lack of young personnel interested in the nursery business.

"The weather conditions in general were excellent in our particular locality. We lost little work this winter due to rainy conditions. We might point out, however, that the retail nurserymen, in southern California in particular, did not do so well, as it seemed to rain on Sundays, and in southern California business is heavy over the week-ends.

"The supply of nursery stock for the coming year will be approximately 10 per cent over last year's stock, and we have raised our prices approximately 5 per cent to take care of the increased costs of operating our business. We believe, however, that to maintain our increased sales quota it will be necessary for us to use considerable ingenuity during the coming years.

"It seems that the shortage of nursery stock will not be so great in the coming years and that we will have to do more promoting and ad-

GREEN'S TRACTOR HOE

Manual or Hydraulic Control



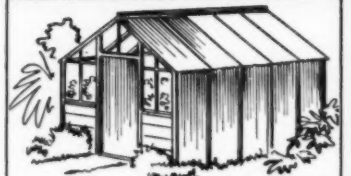
Green's tractor hoe will save you time and money. One man can do the work of many. Fits most makes of tractors.

Send for free literature.

HOWARD C. GREEN
Portland, N. Y.

BUILD YOUR OWN

FIBER GLASS GREEN HOUSE



Fiber Glass provides better distribution of light, thereby enabling you to grow more plants in a smaller area.

Heavy-duty corrugated Fiber Glass sheets manufactured especially for outdoor use available in 31-in. and 40-in. widths by 8-ft., 10-ft. and 12-ft. lengths, in natural color to give maximum light transmission. Also available in decorative colors if desired.

59¢
sq. ft.

WRITE FOR FREE INSTRUCTIONS
AND INFORMATION TO DEPT. 163
Orders shipped promptly.
QUANTITY DISCOUNTS ON
50 OR MORE SHEETS

coral way products co.

P. O. BOX 162

CORAL GABLES 34, FLORIDA

Electronic Leaf Control Unit

with 1/2-inch
solenoid valve

\$85

WhiteShowers Misting Nozzle

Price only **\$3.00**

Sample with hose-testing
cap \$3.75, postpaid

WHITESHOWERS, Inc.

17514 Woodward Ave
DETROIT 3, MICH.

**THE ELECTRIC
"Taylortruck"
IS SOLVING
THE NURSERY
LABOR PROBLEM!**



**ONE MAN . . .
DOING THE WORK OF TWO . . .
WITH THIS 1/4-TON
ELECTRIC TAYLORTRUCK**



Model AN, 1/4-ton, 3-wheel. Carries 500 lbs. on bed size 31 1/2 x 54 ins.



1/2 ton, Model B-5-72. Carries 1000 lbs. on a bed size of 72 x 42 ins.

Here is a laborsaving device that pays for itself! **ELECTRIC TAYLORTRUCKS** give years of trouble-free service with **QUIET, POWERFUL** and **FUMELESS** handling of nursery stock and supplies.



With the use of tracking trailers, one man can move in a single trip as much as can be carried in 6 wheelbarrows—and many times faster!

Distributed by:



P. O. Box 146

Meadows Brothers

2664 N. Fair Oaks Ave.

Phone: SYcamere 7-1171

ALTADENA, CALIF.



FOR DESCRIPTIVE LITERATURE AND DEMONSTRATION
WRITE FOR NAME OF NEAREST DEALER

vertising and increase the quality of our plants, if we are to meet our sales quota."

Oregon Marks Record Season

"The heaviest season the firm has known" is the description given this spring's trade of his firm by Andrew W. Sherwood, Sherwood Nursery Co., Corbett, Ore. Details of the report follow:

"We have just finished what looks now to be the heaviest season we have known. In the November freeze of 1955 we took a heavy loss. We had 35 varieties wiped entirely off the books. This included not only all our field stock, but our stock plants as well. Needless to say, we were alarmed; yet that season of the freeze turned out to be the best year we

had ever known up to that point, and though we have not yet checked thoroughly, it looks as if this season has been better. This is almost too good to be true, and we can only guess that the reasons are construction of many new homes, replacements of stock and a willingness on the buyers' part to plant material which may have been in the background in the past, but provides finer landscape material.

"Our weather this year has been favorable for the production of evergreens. The help situation has eased. Cost of shipping, especially B&B stock, remains a problem.

"In this area we expect a critical shortage of evergreens, especially in finished stock, for several years to come.

"We have completed moving our propagating nursery, including 4,000,000 trees, to our larger growing area. Our new propagating facilities will almost double our output."

Portland Prosperity

Heavier sales this spring and anticipated price increases are items in the report on local business by A. H. Steinmetz, manager, Portland Wholesale Nursery Co., Portland, Ore.:

"Our shipping season is over now and like most other wholesale firms in this area, we find sales for the season heavier than ever before. The demand for all lines of stock has been strong, and little salable stock has failed to find a market. Most retailers likewise report good business,

Sturdy
tip-
proof



Cloverset HANDY CARTS

Well-balanced nursery carts of strong welded steel with 24x30x6-in. bed; holds 12 potted roses or equivalent in safe upright position. Two free-running, ball-bearing 10x1.75-in. wheels have semi-pneumatic tires. Shipping weight approximately 45 lbs.; shipped in carton and easily assembled.

\$27.50

F.O.B. Kansas City

Extra sales
for extra
profits with
Cloverset



ROSE & GARDEN DUST

Customers who buy good stock appreciate products that help keep it "in the pink"; our high-Lindane formula has proved excellent for easy control of insects and diseases which attack flowering plants. In 50-lb. sacks for nursery use, and four resale sizes: 8-oz. sifter, 12-oz. dust gun, 1-lb. sifter and 4-lb. re-fill, all at 33% dealer's discount. Use coupon for complete information.

**Practical products for
the modern nursery,
from the makers of
CLOVERSET POTS . . .**



105th and Wornall Rd.
KANSAS CITY 14, MO.

CLOVERSET FARM, Dept. A
105th and Wornall, Kansas City 14, Mo.

Please send items checked:

- ☐ Handy Cart(s) at \$27.50
F.O.B. Kansas City.
- ☐ Complete information on Cloverset
Rose Dust.
- ☐ Information on Cloverset Pots.

Name

Firm

Address

and increased quantities of nursery stock have been sold through shopping centers and roadside stands.

"We have experienced no particular labor problem, and shipping by both truck and rail seems to have moved smoothly.

"Our shipping season was prolonged about two weeks due to cool, rainy weather, and planting was delayed accordingly, but warm weather during late April and early May brought our growing season just about back to normal. Bud stands are good, and the supply should be better than during the past two years.

"Prices at wholesale are being raised about 10 per cent for next year, and to justify this, quality and service will have to be improved. There is a general feeling of prosperity in the trade here in the Portland area."

MAIL-ORDER SALES

[Continued from page 10]

those materials all spring and expect to continue to ship until the season ends or until we run out of stock. We planted some of these frozen perennials last July and had close to a 100 per cent stand on them; so we are sure they are going to give great satisfaction to our customers.

"All of our de luxe grade of fruit trees are also entirely wrapped in polyethylene film, and it is interesting to note that some fruit trees which we dug last October for wrapping in polyethylene for fall sales, but did not use, were opened just a short time ago after having remained wrapped and in storage all winter, without any watering or care whatsoever, and were in as good condition as when they were first wrapped last fall.

"Wrapping the perennials in polyethylene film during the winter, with a small crew, has enabled us to cut between 20 and 30 persons from our perennial shipping room force for March, April and May.

"With house plants, potted chrysanthemums, asters, etc., which are shipped as potted green-leaved plants, we went to a plastic pot of our own design. This pot is inexpensive and can be shipped with the order. The system eliminated another considerable crew through March, April and May in our greenhouses; normally these persons would knock potted plants out of clay pots and put them into paper pots, preparatory to shipping.

"We are now through two thirds of our fiscal year, and our nursery payroll at the present time has in-

"Grade-up" your profits

with
SKINNER
sprinklers



A portable irrigation system equipped with Skinner sprinklers can be moved where "rain" is needed . . . lets you water large areas at lowest possible cost.

Skinner's efficient, uniform water distribution insures better, healthier stands and faster growth . . . lets you control soil moisture to make setting and transplanting easier.

FREE

literature gives the full story. Write for it TODAY!



The SKINNER IRRIGATION CO.
150 Water Street, Troy, Ohio

. . . for over a half century

ALUMINUM TAGS

(All-weather)



3 1/2" x 3"

- Patented cardboard backing permits easy embossing with ordinary lead pencil.
- Heavy eyelet. Copper-wired.
- Attractive silver Aluminum, backed with yellow cardboard.

• Inexpensively priced:
1000 for . . . \$14.00 250 for . . . \$5.00
500 for . . . 9.00 100 for . . . 2.50

Write for samples.

BERRYHILL NURSERY CO.
P. O. Box 696 Springfield, Ohio

JUNIPER GRAFTS

Specimen Evergreens

Moraine Locust
1 and 2-Yr. Tops

Heavy Shrubs

Wilt-Pruf

SNEED NURSERY CO.

P. O. Box 798
Oklahoma City 1, Okla.

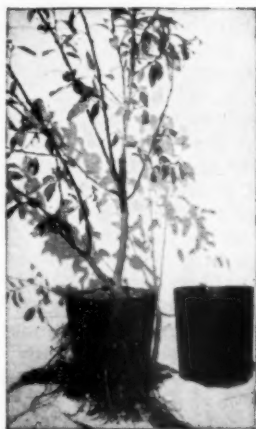
NURSERY LATH

Penta-treated and securely woven together with heavy galvanized wire to provide 70% controlled shade.

One roll or more shipped anywhere!

F. A. MCKENZIE MFG. CO.
Avinger Texas

HERE IS WHY NURSERYMEN PREFER MENNEPOTS



Superior Strength

Sturdily constructed, the MENNEPOT withstands hard handling.

Stapled Bottom

Comes completely assembled . . . Potting can start immediately upon arrival.

Light Weight

The MENNEPOT is economical to use. Light weight makes shipping costs less.

Drainage

The side-drainage feature makes waterlogging impossible while standing in salesyard.

Size 0 Top . . . 4 ins.
Bottom 3½ ins.
High . . . 4 ins.
Weight per 100
Regular 10 lbs., Heavy 25
Regular Weight Price
100..\$2.75 1000..\$25.00
Heavy Weight Price
100..\$3.75 1000..\$35.00

Size 0½ Top . . . 5 ins.
Bottom 4 ins.
High . . . 5 ins.
Weight per 100
Regular 13 lbs., Heavy 30
Regular Weight Price
100..\$3.50 1000..\$32.50
Heavy Weight Price
100..\$4.50 1000..\$42.50

Size 1 Top . . . 6 ins.
Bottom . . 5 ins.
High . . . 6 ins.
Weight per 100
Regular 15 lbs., Heavy 35
Regular Weight Price
100..\$4.00 1000..\$37.50
Heavy Weight Price
100..\$5.25 1000..\$50.00

Size 2 Top . . . 7 ins.
Bottom 5½ ins.
High . . . 7 ins.
Weight per 100
Regular 24 lbs., Heavy 55
Regular Weight Price
100..\$4.50 1000..\$42.50
Heavy Weight Price
100..\$5.75 1000..\$55.00

Size 3 Top . . . 8½ ins.
Bottom 6½ ins.
High . . . 9 ins.
Weight per 100
Regular 30 lbs., Heavy 70
Regular Weight Price
100..\$5.00 1000..\$47.50
Heavy Weight Price
100..\$6.25 1000..\$60.00

Size *4 Top . . . 10 ins.
Bottom . . 8 ins.
High . . . 10 ins.
Weight per 100-120 lbs.
100..\$11.00
500..\$52.50 1000..\$100.00
*Heavy Only—
For trees and shrubs.

Size *5 Top . . . 12 ins.
Bottom . . 10 ins.
High . . . 12 ins.
L.G. POT
Weight per 100-250 lbs.
20..\$30 ea. 100..\$27.50
500..\$125 1000..\$225
*Special for extra-heavy
trees and large shrubs.

Size Pan Top . . . 8½ ins.
Bottom 7½ ins.
High . . . 5 ins.
PAN
Weight per 100
Regular 30 lbs., Heavy 70
Regular Weight Price
100..\$5.00 1000..\$47.50
Heavy Weight Price
100..\$6.25 1000..\$60.00

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CANADA	The Sheridan Nurseries, Ltd., Sheridan, Ontario, Canada.

500 of a size takes 1000 rate in sizes 0-0½-1-2-3-Pan. Regular-weight pots packed 160 and 200 per carton in sizes 1-2-3-Pan. Size 0, 250 only. Size 0½, 200 only. Heavy pots are packed 250 per carton in size 0; 100 per carton in sizes 0½ and 1; 50 per carton in sizes 2, 3, Pan and 4, and 20 per carton in size 5. NO BROKEN CARTONS.

SEND \$1.00

FOR COMPLETE SET OF 14 SAMPLES.

THE MENNEPOT, INC.

NORTH TONAWANDA, N. Y.

Phone LUdlow 4444

Prices Vary Slightly in Areas Served by Distributors
DISTRIBUTORSHIPS OPEN IN SOUTHERN STATES

creased 4.8 per cent over last year's. This covers increases in pay to practically everybody, and we feel this is a very reasonable gain, considering the business we have done."

Drought, Shipping Problems in Iowa

Wayne Ferris, Earl Ferris Nursery Co., Hampton, Ia., notes adverse affects of weather and shipping costs on season's trade, writing:

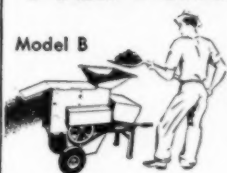
"Our sales this year are ahead of last year's, though 1956 is not a fair year for comparison, and they are just even with 1955 sales. Last year we had an extremely long season, and it looks like this one will end considerably earlier.

"We are suffering here (in northern Iowa and southern Minnesota) for lack of rain. I am sure we would have had a good deal more business had we received the ample rainfall recorded in southern Iowa. We have had considerable increase so far in our drive-in business, which has been better, in proportion, than the mail-order business.

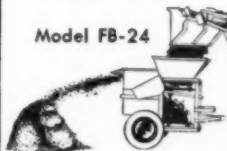
"The high cost and the poor serv-

Peak Performance + Power Efficiency

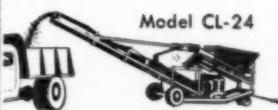
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Model CL-24



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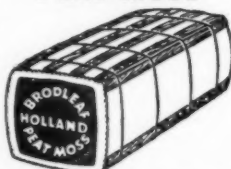
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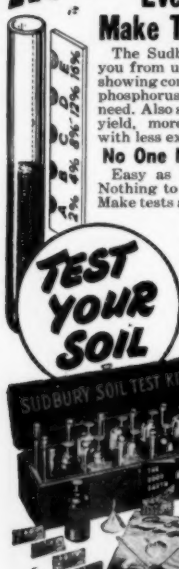
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ice received when sending stock by express have made such transportation impossible, and I am sure that situation has hurt the mail-order nursery business."

Ahead of 1956 in South Dakota

The arrival of rains started a sales pickup that has led to a slight gain over last year's record, writes Ted Korves, Gurney Seed & Nursery Co., Yankton, S. D. He reports:

"Again this year weather conditions have been a deciding factor as far as sales are concerned. Our sales through March were considerably below last year's, but with the coming of rains in much of our trade area during April, orders began to come in well. As of the first of May, sales were slightly ahead of last year's, and orders are still coming in well. Part of this increase may be due to a better mailing piece than the one we used last year.

"All classes of nursery stock seem to be in normal demand, with hardy chrysanthemum sales considerably ahead of last season's. Most shipments are reaching the customers without too much delay, with the exception of stock shipped by express that had to go through terminals affected by labor troubles. Serious delays have often resulted in these instances."

Southern Illinois Gains

"Mail-order business this spring was considerably better than that of the past two years," writes J. W. Hanley, Hanley's Nursery, Carbondale, Ill. "Local business has suffered considerably from almost constant rainfall, which has eliminated possibility of gardening, with a resultant substantial loss in local cash-and-carry business. The weather has cleared up now, though, and we have some indications of an extension of the spring season which could offer some recovery.

"The supply of stock has been good and quality has been exceptional, no doubt due to the good growing weather of last summer.

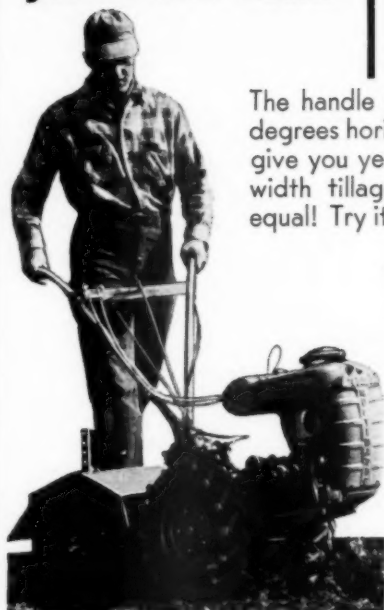
"The picture here is on the optimistic side."

Mail Scare Damaging

An early-season improvement over 1956 was offset by reductions as a result of the mail service curtailment threat in April, reports Elden H. Burgess, Burgess Seed & Plant Co., Galesburg, Mich., writing:

"We were well pleased with the start of the season which, although it had short-term fluctuations, ran pretty consistently at 10 to 12 per cent ahead of last year, until the time Mr. Summerfield made his an-

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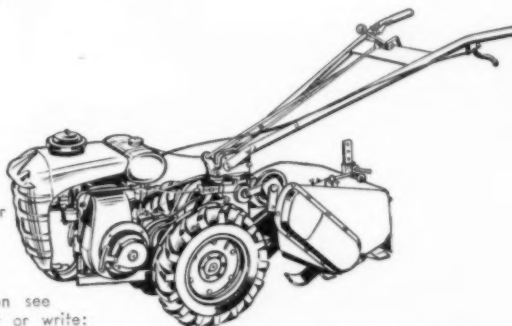
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nouncement of curtailment of mail service. Within three days we had a reduction of nearly 40 per cent in the volume of orders coming in, and in two weeks' time we had lost all of the gains made during the previous three months.

"Our business during May appears to be about normal, but the recession happened too late in the season to permit recovery of even a small part of the loss suffered in the mail scare."

Minnesota Has Ups and Downs

All departments are ahead of last year in sales, reports K. E. Relyea, Farmer Seed & Nursery Co., Fari-bault, Minn. His comments follow:

"The weather in our part of Minnesota has been so unusual this year that it is difficult for us to analyze our business before we analyze the weather. We had a very open winter—with some cold but not unseasonable weather. Moisture all winter was at a minimum, with little snow cover. March and the month of April up until Easter were unseasonably dry and cold. About Easter the weather turned hot; in the week immediately following Easter and in the last week of April temperatures were in the high 80's, with still no rain. The week-end of May 2 to 4

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was unseasonably cold, with freezing temperatures each night.

"Business has been much the same as the weather. It was steady in February and March, showing some increase in all departments and causing us to be extremely optimistic. April had terrific ups and downs, due somewhat to the mail restrictions and poor express service. We are fortunate enough to be slightly ahead in all departments, with the mail-order plant department the farthest ahead.

"The best way to sum up the situation to date is to say that it is not an exceptionally good year, but it is better than last year, which was a poor one. It would seem that people are looking more toward ornamentals than they are to vegetables, but are also shopping for bargains, which opens them up for the unscrupulous practices of the fly-by-night nurserymen."

UPRIGHT SUGAR MAPLES

[Concluded from page 7]

normal yellow green of ordinary sugar maple, rather thin in texture, with flat margins. On Newton sentry the leaves have a resemblance to those of the black maple, being dark green and leathery, with wavy margins. In older specimens the structural difference between the two forms becomes apparent. Newton sentry usually exhibits a strong central trunk with few secondary ascending branches, all clothed with stubby lateral branches. Temple's upright is, in contrast, a column of ascending branches, usually without a dominant central one, and if a windstorm whips off a lower branch, as it did recently to a specimen in Highland park at Rochester, it leaves a hole well up toward the top of the tree.

At Highland park two somewhat nontypical specimens of Newton sentry have been produced. They can be duplicated by early removal of the few strong upright branches which appear, leaving only the short lateral branches around a central trunk. Continuing attention is necessary to prevent awkward and structurally unsound branching near the top, and this type of artificial production is not recommended except where there is an accommodating fire department handy with its high ladder equipment.

CHARLES P. CARR is starting a nursery at Georgetown, Conn. Begun as a hobby a year ago, the nursery will specialize in unusual trees and ornamentals.

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BOOK REVIEWS

GARDEN CENTERS

The series of articles on "Operating a Garden Center" that appeared recently in the American Nurseryman have been revised, supplied with additional illustrations and printed in a handsome hard-bound book with a green cover, at \$3 per copy. Those who desired reprints of these articles may now have them put in book form, and others who wished to give the articles more careful reading and retain them for reference in future operations will welcome this book.

The author, John J. Pinney, is a wholesale nurseryman, who not only has given attention to the problems of his retail customers for many years, but has also followed the development of garden centers as a means of selling nursery stock and related merchandise. For any person who is opening a garden center or plans to do so, this book is a must.

NEW ENCYCLOPAEDIA

For the commercial grower, both under glass and outdoors, and the amateur gardener, there has just been published one of the outstanding reference books of this era, "Encyclopaedia of Annual and Biennial Garden Plants," by Charles O. Booth, published in Great Britain and issued in this country by the Macmillan Co., at \$12.50. For every species of commercial importance, states the author, separate notes have been made of their proper commercial cultivation, together with brief accounts of American methods where these differ from the current practice in Great Britain.

The chief section of the book, part II, occupying 286 of its 448 pages, discusses some 1,200 species of annual and biennial plants in detail. In this section the plants are briefly described, but most of the text treats of their cultivation. The text is in everyday English, without botanical flourishes.

Part I includes six chapters relating to the characteristics of annual and perennial plants, growing them from seeds, their cultivation in the open, their cultivation under glass, insects and other pests, and parasitic diseases and nutritional disorders.

Following part II are a glossary of botanical terms, English equivalents of specific Latin names, Latin equivalents of popular names and a list of



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chromosome numbers of various plants. Eight plants are pictured in color and 80 in black and white, while a few line drawings illustrate procedures.

The author states that he personally had grown 1,200 of the 1,400 plants mentioned in the text. So this monumental volume is the more valuable because of its original character. The 448 pages, 6x9 inches, each bearing two columns of small type, render it literally an encyclopaedia of these plants, quite useful to anyone dealing with them and interesting to any plant-minded person.

1957 ROSE ANNUAL

The American Rose Annual for 1957 takes its place with its predecessors, alike in format and diverse in contents. Its 265 pages contain numerous articles on pertinent subjects all the way from botanical to gardening in the desert or far-away Hawaii. Among the more interesting to commercial growers are the articles on rose understock experiments, breeding winter-hardy ramblers roses, container-grown roses and some others. Most of the articles, of course, are aimed at the several thousand members of the American Rose Society, most of whom are amateurs and each of whom receive a copy of the annual for the low membership fee of \$5.50 per year. Frank H. Abrahamson is the editor. Not the least of the attractions of the book are 21 plates of new roses in full color. An important part of the book is the department, "Proof of the Pudding," in which members briefly comment on newer varieties in 102 pages. The book sells for \$4.50.

LIGHT AND CHLOROPHYLL

Two small French works, that on light and vegetation by Jean Terrien and George Truffaut, and one on chlorophyll by Jules Carles, have been translated by Madge E. Thompson so that those important works are now available in English. "Light, Vegetation and Chlorophyll," as the book in English is titled, has just been printed in England and published in this country by the Philosophical Library, at \$6.

The work by Terrien and Truffaut has to do with the nature of light as a form of energy and the light requirement of plants in different parts of the world. The mechanism of the utilization of light by plants is discussed, and the degree to which the needs of plants can be

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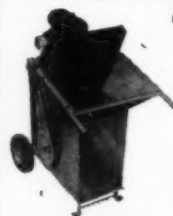
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met by artificial light sources is considered in relation to the improvement of crops and their production out of season. This work occupies 146 pages of the 228-page book, and the remainder is concerned largely with the chemistry of chlorophyll and photosynthesis, under the title of chlorophyll and energy. There is also a useful summary of the importance of chlorophyll in the present-day world.

JUNIORS' PROGRAM

[Continued from page 9]

and other strange aspects of the mysterious undersea world.

The entire juniors' program follows:

SUNDAY, JULY 21

Afternoon bus trip to glass-bottomed boat dock for ocean cruise.

Hospitality night; water show, refreshments and dancing at the Eden Roc hotel cabana and pool area.

MONDAY, JULY 22

Morning open.

Keynote luncheon in the Fleur de Lis room of the Hotel Fontainebleau; Boyd Campbell, chairman of the board, Chamber of Commerce of the United States, guest speaker.

Afternoon bus trip to Seaquarium, on Virginia Key, then on to Crandon park, on Key Biscayne, for a beach supper.

TUESDAY, JULY 23

Morning open.

Afternoon bus trip to Parrot Jungle.

Evening open.

WEDNESDAY, JULY 24

Morning open.

Afternoon pool party at the Fontainebleau pool; snacks, games, races and prizes.

Past presidents' banquet in the Fleur de Lis room; entertainment and dancing.

THURSDAY, JULY 25

Morning open.

General luncheon in the Fleur de Lis room; "Pink Pills for Pale People," by H. Wayman Parker, Sharp & Dohme division, Merck & Co., Inc., Philadelphia, Pa., guest speaker.

TEXAN TO ADDRESS A. A. N.

Joseph F. Leopold, Dallas, Tex., speaker, researcher and publicist, is scheduled to speak on "Government in Business" at the past presidents' banquet July 24 at the Miami Beach convention of the American Association of Nurserymen. A native of Ohio and a resident of Texas for the past 31 years, Mr. Leopold entered the practice of law at Dayton, O., in 1911, leaving that city in early manhood.

Engaged in the general public and industrial relations field, he has had a long experience in organized business and has lectured throughout the United States. His specialization in government and taxation policies,

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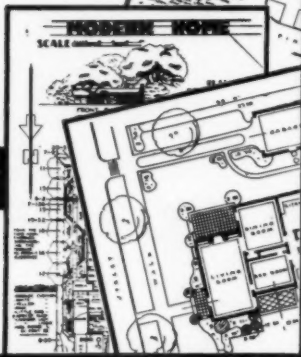
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particularly, has made him a popular speaker before business groups.

MIAMI'S MARINE CIRCUS

At Miami's Seaquarium, which is to be visited by American Association of Nurserymen conventioners and their families Monday, July 22, hungry porpoises, sea lions, sharks and manta rays are among the performers who put on six shows daily at feeding times. Some of the porpoises and sea lions—exhibitionists as well as heavy eaters—ring bells, play ball and leap through hoops during the four daily shows staged in the sea lion arena. Pete, a trained pelican, also gets into the act. Sharks and other less acrobatic marine creatures may be seen in a 750-foot circular viewing channel; or one may watch them take their rations from wary divers who descend into a tank 80 feet in diameter and 16 feet deep to feed them by hand. Large glass windows, completely encircling this main tank at two levels, permit spectators to watch huge turtles, moray eels, sawfish and other creatures living there together as they do in the depths of the ocean.

A second tank, 50 feet in diameter and likewise equipped with windows, houses among its coral reefs the highly colored tropical specimens and the hundreds of game fish found in south Atlantic waters. Smaller denizens of the exotic underwater world are displayed in 26 lighted tanks arranged along the Seaquarium's corridors. Electric eels provide their own illumination in one of the tanks, which is fitted with electrodes to draw the necessary current from these marine generators. All tank displays are designed to enable visitors to photograph the unusual, colorful specimens.

Located on the Rickenbacker causeway, which links Key Biscayne to Miami proper, the 50 acres of the Seaquarium grounds include an elaborately landscaped jungle area with tidal pools, created to resemble the mangrove island homes of shallow-water residents. Here brightly-hued parrotfish, crabs and starfish may be seen along with octopi which turn crimson with anger when disturbed.

The \$2,250,000 Seaquarium is said to have the world's largest collection of salt water fish. More than 250 varieties are displayed. This is a year-round feature that always attracts capacity crowds.

Visitors are invited to watch any unscheduled, behind-the-scenes events that occur, such as the arrival of the collecting boat with new speci-

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mens gathered at sea, or the moving of a giant ocean-dweller from a holding tank to his permanent location.

BEACH SUPPER SITE

Key Biscayne, a palm-covered island that once served as a setting for South sea island movies, is the site of Crandon park, where a beach supper is planned as a feature of the American Association of Nurserymen's Miami Beach convention in July. A. A. N. members and their families will visit the tropical park Monday, July 22, after leaving the Seaquarium.

The extensive recreational area boasts two miles of coral sand beach and the largest stand of coconut palms in North America. The beach is patrolled by trained life guards, and a public bath house is maintained for bathers' convenience. Cabanas, available at a moderate rental, offer more luxurious beach enjoyment.

Adults are provided with a playground area for group games near the palm-shaded picnic groves, while the children may be kept amused in their own section, farther down the beach, with swings, slides, a merry-go-round and other rides. Nearby is the Crandon park zoo, where wild

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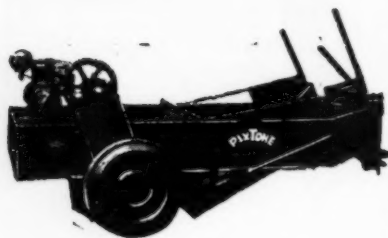
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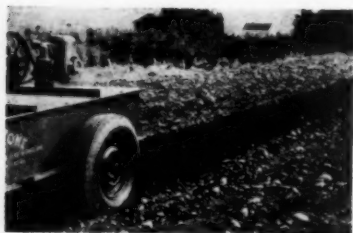


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animals from all parts of the globe roam in outside paddocks the year around. Flamingos, macaws, ibis and other tropical birds are a colorful feature of the zoo. A tram train running along the beach connects the amusement area and zoo with the picnic areas.

CONARD-PYLE ANNIVERSARY [Continued from page 11]

ton, joined the firm in 1930. From 1937, he served as vice-president and general manager until Robert Pyle's death in 1951; shortly after, with several associates, he purchased Mr. Pyle's interest in the business and became president.

An important turning point in the progress of the firm occurred just after Mr. Hutton joined the firm. This was the development of the garden mart part of the business and was a direct outgrowth of the depression of the '30's. In the late '20's, the Conard-Pyle Co. had begun to propagate and sell evergreens and shrubs and had also been wholesaling roses and other plants. In 1929-30, the company's biggest plantings to date had been made. There followed a severe decline throughout the nursery business, and the Conard-Pyle Co. went out of the wholesale business entirely. The need to explore new fields for income and to keep as much as possible of its trained labor force intact led naturally into cash-and-carry selling of plant materials. A garden mart proved to be the answer. This decision put Conard-Pyle Co. in local retail selling of many kinds of plants and garden supplies as well as in the mail-order field.

Two garden marts were subsequently established. One of these, near the company offices and adjacent to the greenhouses, is open every day of the year. The other, on U. S. Route No. 1 near the C-P rose fields, is open from mid-May until the fall planting season is over. The greatest growth of the marts, slow at first, began after World War II. Today, the marts are set up as a separate department under the direction of Hiram Johnson, an Ohio State University graduate, and are an important part of the business.

Peace Rose

Perhaps the most significant event in the fortunes of the Conard-Pyle Co., from the viewpoint of both immediate and long-lasting results, occurred some years after the first meeting in France of Robert Pyle and Francis Meilland, the young French hybridizer. This was the



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launching in America by the company of Meilland's great rose, Peace, which was so named by Robert Pyle. In 1933, the two men met for the first time. During the next 18 years, a working partnership of this rose-hybridizing and production team resulted in the introduction in this country of many of the world's finest and best known roses. Since Robert Pyle's death in 1951, this business relationship has continued, with Sidney B. Hutton carrying forward the work of bringing new roses here from the Meilland hybridizing establishment on the French Riviera.

Mr. Meilland made his first visit to America in 1935. It was 10 years after this visit that Peace was introduced in America by the Conard-Pyle Co. The rose took the country by storm. In the years since its budwood was smuggled out of France in the diplomatic pouch of the American consul at Lyon, to prevent seizure by the Germans, and delivered to the Conard-Pyle Co., this rose is believed to have outsold any other rose ever put on the market.

Staff Additions

Just prior to the introduction of Peace, Sidney B. Hutton, Jr., joined the firm (1942). Upon Robert Pyle's death, nine years later, Sidney, Jr., succeeded to his father's erstwhile position of vice-president and general manager, a post which he holds today. In 1948, another son, Richard, joined the firm and is now treasurer and shipping manager. Both are also directors. At about this time, two other members of the present staff arrived to strengthen their respective departments—George Hart, now garden consultant and lecturer, and Thomas Yerkes, office manager. In 1954, Niels Rasmussen, with experience gained in Denmark and in Oregon, went to the Conard-Pyle Co. as plant propagator.

The latest (1955) additions to the staff are John F. Lemon, vice-president, and John Milton, editor and advertising manager. Well known in the horticultural field, John Lemon, a grandson of E. G. Hill, rose hybridizer and florist of Richmond, Ind., is in charge of C-P licensee operations. John Milton handles the catalog work, edits the company's publication, "Success with Roses," and supervises the advertising.

Recent undertakings in developing the business have been the erection of a new shipping building and storage and handling rooms; the building at garden mart No. 1 of a garden shop, and the formation of Western Nurseries, Inc., in California, with Clyde Stocking, of Stock-



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ing's Rose Garden, San Jose, for the purpose of growing roses for both companies.

Progressive Steps

Today, in its 60th year as a corporate entity, the Conard-Pyle Co. looks back upon a history in the nursery field studded with progressive events in which it had a direct part. Among these are active interest and help in the progress of All-America Rose Selections, of the American Rose Society, of the American Horticultural Council, of the plant patent system and, most recently, in the founding of the All-America Mum Selections.

The company looks forward, on the other hand, to years of opportunity in the production and sale of roses and other plant materials. It is fortunate in possessing 350 acres admirably situated for rose growing. Some of the land on which Star roses are now grown was once deeded (226 years ago) within the William Penn family with the proviso in the deed that "one red rose . . . yearly" be paid as rent. On this part of the property, the company owns a landmark called Red Rose Inn, a perfectly preserved Colonial inn, dating from 1740. It is in operation today, serving patrons now, as it did those in pre-Revolutionary times who traveled the Washington-Philadelphia road. At and around the inn, on a Saturday in September each year, thousands of rose lovers gather to celebrate the anniversary of the payment of the rose rent, the ceremony and the day among the roses being highlighted by the appearance of prominent speakers. It is on this occasion each year that Conard-Pyle's new rose introductions are first shown to the public.

POISON IVY KILLER

Getting rid of poison ivy is sure and safe with a new chemical, amino triazole, according to Donald A. Schallock, extension weed control specialist at Rutgers University, New Brunswick, N. J.

He suggests spraying with it in June when there is a good leaf cover, but not so much growth as to make good coverage difficult. A commercial tractor sprayer is best for larger areas, while a hand or knapsack sprayer is adequate for a small patch. A sprinkling can is unsatisfactory, because the large droplets do not give complete coverage. After spraying is completed, equipment should be washed with water to remove all traces of the chemical.

Two pounds of the active material in 200 gallons of water to make



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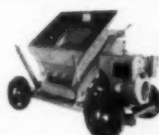
Model CRL, 4 to 6 cu. yds./hr.



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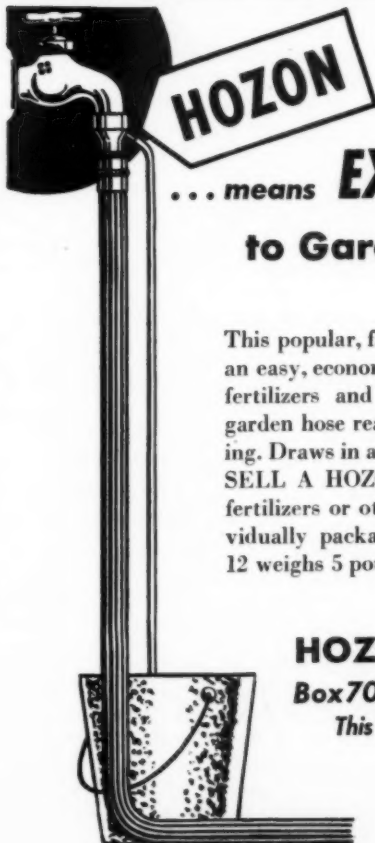
acre will eliminate poison ivy in a single application. However, the chemical comes made up in a half-strength formulation, so four pounds of amino triazole should be used to 200 gallons. For a smaller quantity use one ounce to three gallons of water. The chemical is sold under the amino triazole label or as Weedazol.

Mr. Schallock says that the materials that have been available for poison ivy control—2,4-D, Ammate and a mixture of sodium arsenite and sodium chlorate—have been fairly effective, but there have been some limitations in their use.

Tests have shown that most trees and shrubs have a considerable resistance to amino triazole, but the exact limits of tolerance have not been established. Mr. Schallock urges prevention of drift and avoidance of drenching trunks of trees.

F. & F. NURSERIES announce their move from Springfield, N. J., to a new location at Crawford Corners road and Roberts road, Holmdel Station, Keyport, N. J.

PLANTING at the new Circleville, O., farm of the Cole Nursery Co., Painesville, O., begun last November, was scheduled to cover more than 100 acres by May 15.



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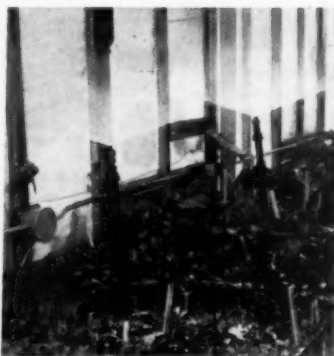
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4.6	160	2.30	36 ins.
6.4	160	3.20	48 ins.
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STAN SAYS

Random Notes

Styrax obassia bloomed in mid-May at Pittsburgh last year. I have a specimen on one of my jobs, and though it is an unusual flower, it is nothing to write home about.

Keep away from the wish-washy (pale) colors in lilacs. A customer wants either a pure white or a good deep lavender or purple, and the flowers should be sweet-scented. Calycanthus floridus on the market that has no odor should be consigned to the brush pile, because anyone who buys a calycanthus does so because he wants a sweet-scented shrub.

A prospective customer called me at one time for a laburnum, and I advised her that I had a couple of 8 to 10-foot size unsold. She then asked if they were balled, and I said no and furthermore it was not necessary since they were still dormant. Though I would guarantee mine to live, it made no difference; she failed to place an order.

In landscape work one should not overlook the light border or ladies' spade, that makes light work of planting. Steps on all spades or shovels are a must, unless you wish to aid the shoe industry. Most good diggers know their own spades and keep them in tiptop shape, and the wise nursery superintendent honors that practice.

Picea Omorika

Everyone has his favorites, and Picea omorika, Serbian spruce, is one of mine. My first acquaintance with it was when I was at Farr's, in Wyomissing, Pa. Bertrand H. Farr liked all kinds of plants, and I enjoyed working with him. That was in 1919. On April 9, 1956, I was up getting some plants from Warren E. Stokes, Butler, Pa., and I found that he too liked this excellent spruce and has about a dozen planted in a group. They are 18 feet high, have a 10-foot spread and are eight feet apart, with branches dense to the ground. They are on a hill and are fairly well protected. If I only had a cottage with a picture window looking north to this group of Serbian spruce, I should feel I was in paradise. The branches of the Serbian spruce are turned up at the ends like a pagoda. Needles 5/8-inch long are green on top and blue underneath.

Some years ago I planted a Serbian spruce east of a residence near Carnegie, Pa., in a protected spot,

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P. O. Box 167 Rochester, N. Y.

and today it is 12 feet high and has a 9-foot spread. It is branched to the ground and makes a beautiful specimen.

At another job about two city blocks away, I planted three Serbian spruce, and they have gone downhill. The heavy clay soil, a drafty location and sun for only two thirds of a day may account for this. My conclusion is that Serbian spruce is an excellent evergreen but should not be planted on a windswept hill. One should dig a good-size hole if the soil is heavy clay and plant in fairly good soil. However, one should not kill the spruce with kindness. This evergreen for some time will be for the carriage trade and nurserymen will have to charge accordingly.

FRUIT SOCIETY GROWS

The American Pomological Society, founded 109 years ago, is gratified with the response to a current membership campaign. Forty new members have been enrolled since last December.

This association, one of the oldest horticultural groups in the country, is the parent of the American Society for Horticultural Science and of many of the state horticultural societies. Its objective, the advancement of fruit and nursery industries through fruit variety improvement, is accomplished by disseminating information on breeding and testing techniques and on performance of varieties, re-examination of the old varieties, etc.

Officers of the organization for the present year are A. Leon Davis, Beltsville, Md., president; A. Grant Fox, Normandale, Ont., Canada, and W. F. Pickett, Manhattan, Kan., vice-presidents, and G. M. Kessler, horticulture department, Michigan State University, East Lansing, secretary-treasurer.

The society's membership fee of \$3 a year entitles a member to receive considerable material, including the society's quarterly digest of fruit information and other data released by the society, along with an annual report.

CHARLES CULBREATH, Culbreath Landscape Nursery, Tampa, Fla., was awarded first premium at the Florida state fair, Tampa, for his landscape display.

PLANTING next fall will begin operations for the Potomac Nursery, owned and operated by R. S. Sander-son, 10216 Southmoor drive, Silver Spring, Md. The retail nursery will also offer a landscape service.

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An all-purpose liquid concentrate for spraying outdoors and indoors. Contains 5% Lindane and 12½% premium-grade Malathion. Dilutes 1 to 200 for fruits, vegetables, flowers, lawns, pets. Used also for mosquitoes, flies, ants, roaches, spiders, etc. Excellent for leaf miner control.

	Retail	Packed	Dealer
8-ounce bottle	\$1.50	12 to case	\$10.80
1-pint bottle	2.25	6 to case	8.10
1-quart bottle	4.00	6 to case	14.40



PRATT'S 72% CHLORDANE

This versatile insecticide concentrate gives customers an easy do-it-yourself way to control termites. Many uses for household and garden pests, especially ants. Contains 8 lbs. of Chlordane per gallon.

	Retail	Packed	Dealer
4-ounce bottle	\$1.25	12 to case	\$ 9.00
½-pint bottle	2.00	12 to case	14.40
1-pint bottle	3.59	6 to case	12.92
1-quart bottle	5.65	6 to case	20.34



PRATT'S SODIUM ARSENITE WEED KILLER

An all-purpose, super-strength weed killer that every customer with a weed problem will buy. For walks, roadways, tennis courts, yards. Also kills poison ivy, termites, etc.

	Retail	Packed	Dealer
1-quart can	\$0.90	12 to case	\$4.48
1-gallon can	2.60	4 to case	6.24

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	Retail	Packed	Dealer
1-pint bottle	\$4.00	6 to case	\$14.40
1-quart bottle	7.00	6 to case	25.20

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Western Shade Tree Chapter Meets

By Walter B. Balch

Among the trees of Yosemite national park, in California, the Western chapter of the National Shade Tree Conference held its annual convention May 8 to 11. The registration was about average, which spoke well for the interest in the program, as the park is off the well-traveled trails. The program committee allowed ample time for visitors to see points of interest and also provided a meaty program for the formal sessions.

Officers Elected

At a business meeting held during the convention, a nominating committee, composed of Dale Griggs, superintendent of the Santa Ana Botanic Gardens, Claremont, and Riley Stephens, commercial arborist, Portland, Ore., presented a slate which was unanimously endorsed. The new officers are Percy Everett, superintendent of the Santa Ana Botanic Gardens, president; Keith Davey, Davey Tree Expert Co., San Francisco, vice-president; C. E. Lee, secretary-treasurer, and Millard Blair, commercial arborist, Mountain View, Calif., editor.

Directors selected were Harold Mitchell, J. H. Mitchell Co., Pasadena, Calif.; Kaye Hill, superintendent of street trees, Long Beach, Calif., and John Silva. On the board of directors will be William Griffen, Griffen & Morgan, Santa Barbara, Calif.; Gene Cox, forester, city of Oakland, Calif.; Roger Sohner, retiring president and owner of the Sohner Tree Service, and Keith Davey.

Dr. Robert Callahan, of the California forest and range experiment station, spoke on "Genetics Research in Improving Trees for Tomorrow." He said that any tree improvement program is guided by the wishes of the users and that the nurseryman has different ideas from a lumberman as to the desirable tree of tomorrow, while the city park department manager wants still other qualities in an improved tree.

Dr. Callahan indicated that within reason it is possible to produce a tree with any given characteristics by following certain fundamental rules of plant breeding. One of the limiting factors in breeding, however, is the degree of heritability of certain elements. For example, tree height is of low heritability and can be altered through breeding more easily than

can foliage color, which is of high heritability.

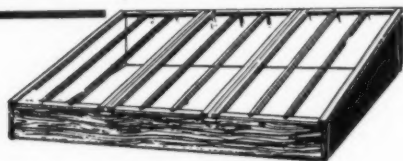
Illustrating the effect that a parent tree's environment has on its offspring, he showed color slides of seedlings in a forestry nursery bed. They were all of the same kind and had been started under identical conditions, yet differences were apparent in speed of germination, rate of growth or other characteristics, as a result of the different environments of the parents. Dr. Callahan expressed confidence that desirable factors could be combined, through breeding, in a tree of tomorrow, which could then be increased for commercial uses by various methods of asexual propagation. The slides pictured work being done in this field at the experiment station.

Discussing pest control, Dr. Leland Brown, of the department of entomology, University of California at Los Angeles, classified pests attacking ornamentals into several broad groups. Then he showed slides picturing the pests in different stages of development and identifying them with the damage they do. He indicated that, in most cases, malathion and/or DDT with oil effect the best control, although he mentioned some other insecticides, such as nicotine sulphate and rotenone, as being effective under certain circumstances.

National Park Plan

Lawrence C. Merriam, of the national park service, told about "Mission 66," a 10-year plan for the improvement of national park facilities

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that is to be completed in 1966 when the park service will end 50 years of existence. He reported that in 1956 nearly 50,000,000 people visited the national parks and by 1966 it is estimated that annual visitors will number 80,000,000. The plan's objective is to furnish space, personnel and satisfactory facilities for such a number of persons. Mr. Merriam estimated that \$80,000,000 a year for each of the next 10 years will be necessary to keep ahead of the needs of the parks.

The parks and shrines under the care of the service are best known for their recreational facilities, but many of them have other aspects. Some are places of historic importance, while others hold geological and biological interest and are valuable for scientific study. The speaker asserted that the national parks contribute to the country's economic as well as its cultural development and must not be despoiled.

Landscape the highways of tomorrow was discussed by Ralph D. Cornell, landscape architect and one of the founding fathers of the Western chapter of the National Shade Tree Conference. He gave some general as well as some specific rules and suggestions for highway planting and told of the mistakes of the immediate past. If these mistakes are

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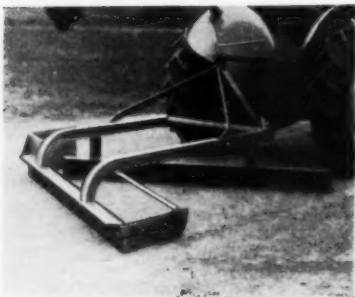
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avoided in future work, he said, tree and shrub planting on highway right of ways will be less costly initially, less costly to maintain and more satisfactory from an aesthetic as well as an economic point of view.

Surveys Conservation

On the last day of the sessions, Woodbridge Metcalf, retired extension worker from the University of California, reminded the group that national conservation programs were begun in this country only 50 years ago, through the efforts of Gifford Pinchot. Then the professor told of some of his experiences during the past year in Europe, where he had been sent by the State Department to survey certain conservation practices, particularly in Spain, Turkey and Italy.

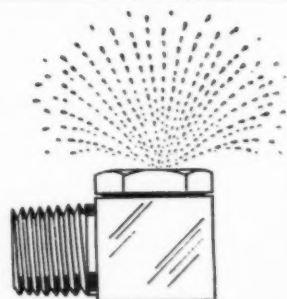
"Operation Outdoors," a project to make the national forests even better places for recreation, tree production, watershed development, conservation and grazing of livestock, was explained by Charles Connaughton, regional director of the United States forest service. Through multiple-use management, upon which the project is based, the forest service plans to make the country's forests of the greatest benefit to the greatest number of people.

The purely cultural aspects of the meetings were provided primarily by park naturalist Douglas Hubbard, who told about the ecology and geology of Yosemite national park, and by park landscape architect V. J. Westley, who gave some off-the-record information on the improvements that have been made in the park for fuller appreciation of its natural beauties. Walter Doty, Sunset magazine, told how he and his assistants in editorial research formulated their forecast of what the homeowner of tomorrow will wish in the way of trees and other ornaments. He urged those who supply plant materials to plan for the demands of the future.

Business Sessions

After the election of officers, described earlier, Disneyland hotel, Anaheim, was confirmed as the site of the 1958 meeting, and San Francisco was selected for the 1959 meeting. The auditing committee, composed of Leslie Mayne, San Mateo, Calif., and Walter J. Barrows, Whittier, Calif., reported that the records of the chapter were in good condition and that, with all bills paid, there was a cash balance of about \$2,000.

Other matters disposed of included the approval of an intensive plan



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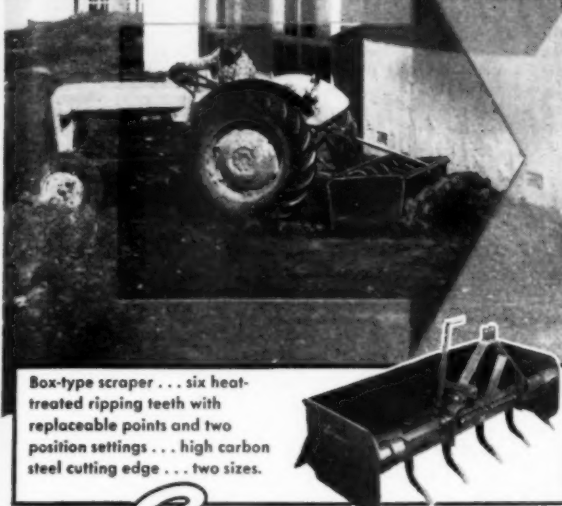
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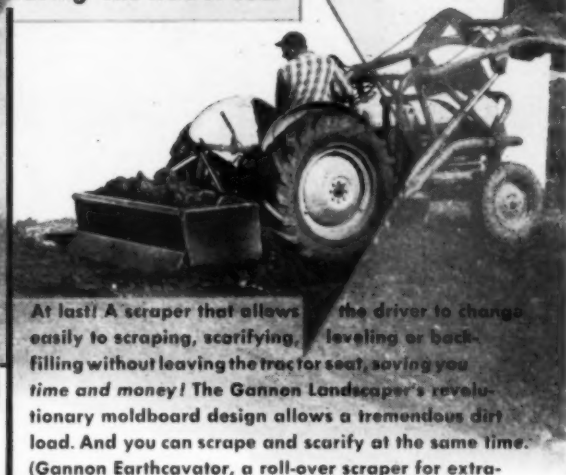
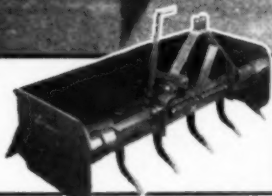
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of public relations; steps to define and prevent malpractice in tree surgery; ratification of a revised constitution and bylaws (constituting the chapter as a nonprofit corporation), and endorsement of training for employees by encouraging the giving of courses interesting and valuable to young men working in the commercial tree surgery field.

ROSES FOR JAYCEES

At the recent 1957 Outstanding Young Man awards banquet of the Junior Chamber of Commerce of the United States, held this year at the Statler Hilton hotel, Dallas, Tex., Lemon Chiffon roses were used in carrying out the "Yellow Rose of Texas" decoration theme. The event, which is the largest annual project of the Junior Jaycees, was nationally televised.

Lafon Young, Miss Tyler of 1957, represented the host Jaycees of Texas and presented a bouquet of Lemon Chiffon roses to each Outstanding Young Man at the press reception preceding the banquet. Arp Nursery Co., Tyler, supplied the roses for the occasion.

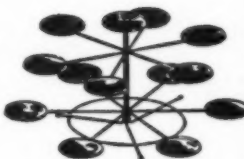
The men honored were: Rev. Robert Richards, Olympic pole vaulter, minister, LaVerne, Calif.; Carl D.

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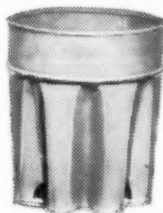
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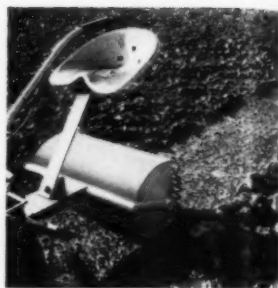
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Erskine, 30, Brooklyn Dodger pitcher, Anderson, Ind.; Hugh E. Stephenson, Jr., 35, cardiovascular surgeon, Columbia, Mo.; Thomas A. Dooley, 29, author and doctor engaged in refugee relief in Vietnam (represented by his mother), St. Louis, Mo.; Mr. Patterson; Robert C. Liebenow, 35, attorney and president, Chicago Board of Trade, Wilmette, Ill.; Frank W. C. Loo, 34, attorney and civic leader, Honolulu, Hawaii; Richard F. Penderson, member U. S. mission to United Nations, New York; Richard T. Whitcomb, 35, aeronautical researcher, Hampton, Va., and Nailard Harmon, 30, educator and author, Auburndale, Mass.

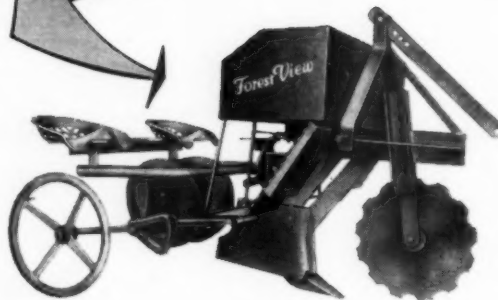
BRITISH RESEARCH TOLD

Members of the East Malling Research Station Association recently received the annual report for the year ending September, 1956. The research station, located near Maidstone, Kent, England, has issued this year's report nearly two months earlier than usual. It differs slightly from its predecessors in that the administrative report is bound with the research report.

The research report is divided into four parts, the first giving a short summary of the work on the farm, the second a review of the research program, the third research reports and the fourth bulletins for fruit growers. Two popular articles have been included in part four summarizing the main practical items in part two.

The full text of the Amos memorial lecture on plant physiology by Prof. F. G. Gregory appears in part three, and this part also includes a paper reviewing the history of some

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of the research station land. Other papers in the section deal with rootstocks, propagation, blossom periods, breeding, spray damage, hop verticillium wilt, apple scab, pear sucker, ground beetle damage to strawberries and the effect of DDT on orchard insects and mites.

The topical subjects discussed in part four include apple scab, collar rot, control of bacterial canker of

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cherry by streptomycin, an economic planting system for strawberries, weed killers under fruit trees and predaceous spiders and mites on fruit trees.

The report is illustrated with line drawings and photographs, and it has a comprehensive index.

BULB GARDENING FILM

The educational film on bulb gardening, "The Promise of Spring," has won its second official prize, the "Chris" award of the Film Council of Greater Columbus, O.

Produced by D. P. M. Productions in 1956 for the Associated Bulb Growers of Holland, the movie last year won the Cleveland Film Council's "Oscar." Both awards were won in competition with other sponsored films in the field of gardening and home improvement.

"The Promise of Spring" is a 16-mm. film in color, having music and narration. It tells the story of a young suburban couple who learn to enjoy the real beauty of their home through a spring bulb garden. The film was made with the technical assistance of Fred Rockwell.

"The Promise of Spring" is available on free loan from Films of the Nations, 62 West 45th street, New York city.

ROSE BUYING

Nearly 200,000 copies of the 1957 guide for buying roses have been distributed to rose lovers throughout the country. Each year a rapidly increasing number of requests for this popular leaflet, distributed by the American Rose Society, 4048 Roselea place, Columbus 14, O., indicate that the rose is more popular than ever in America's gardens.

This new performance index of roses introduced in this country during the past five years includes fragrance ratings for the first time. Chrysler Imperial, Crimson Glory, Dainty Bess, Etoile de Hollande, Good News, Nocturne, Rubaiyat, Sutter's Gold, Tallyho and Tiffany lead the hybrid teas in both fragrance and performance. Spartan is the best floribunda in this regard. Blossom-time, Climbing Crimson Glory, Climbing Etoile de Hollande and Paul's Lemon Pillar are outstanding fragrant climbers.

EXPANDING the operations of their Lake Fairview Nursery, west of Orlando, Fla., E. C. and Elma Phillips recently opened the Lake Fairview Garden Center.



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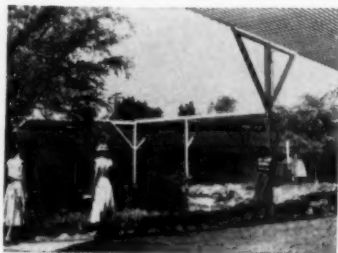


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PLANT PATENTS

The following plant patents were
issued recently, according to Rumm-
ler & Snow, Chicago patent attor-
neys:

No. 1582. Rose plant. Henry A. Conk-
lin, West Covina, Calif. The new and dis-
tinct variety of rose plant of the class
designated as hybrid tea roses, character-
ized particularly as to novelty by the dis-
tinctive variegated effect produced by the
predominantly chrysanthemum-crimson
blooms that are streaked, splashed and
speckled with white, the medium size and
abundance of its blooms throughout the
growing season, the excellent petal sub-
stance and lasting quality of the blooms,
the double petalage of the blooms and its
medium long flower stem.

No. 1583. Camellia plant. August
Kramer, Ontario, Calif., assignor to
Kramer Bros. Nurseries, Upland, Calif.,
a partnership. A new and distinct variety
of camellia plant, characterized particu-
larly as to novelty by its vigorous and
upright habits of growth; its large, sharp-
ly serrated, elliptical and pointed-tipped
leaves; its large flowers of loose, double
peony form; its thick, broad-obovate outer
flower petals of good substance and
smaller center petals and petaloids of
irregular form but arranged in a round-
ed mass about the ovary; the strong ad-
herence of its flowers to their receptacles;
the good keeping qualities of its flowers
both on the plant and as cut flowers, and
the distinctive Turkey-red general color
tonality of its flowers.

No. 1584. Rose plant. Henry Bos, Mel-
rose Park, Ill., assignor to Premier Rose
Gardens, Consolidated, Des Plaines, Ill.,
a corporation of Illinois. A new and dis-
tinct variety of rose plant, characterized
particularly by its vigorous constitution,
its continuous and free-blooming habit;
the depth, brilliance and uniformity of
the pink color of the flowers; the larger
flower with increased number of petals,
which open more slowly and maintain a
solid center; the sturdy long stems; the
deep and lasting fragrance of the flowers,
and the good keeping qualities of the
flowers both on the plant and when cut.

No. 1585. Rose plant. Eugene S. Boer-
ner, Newark, N. Y., assignor to Jackson
& Perkins Co., Newark, N. Y., a corpora-
tion of New York. A new and distinct
variety of rose plant of the large-flowered
polyantha class, characterized particularly
as to novelty by the symmetrical form
of its plant, its suitability for both out-
door and greenhouse culture, its dark
green foliage which achieves a uniquely
attractive combination with the lavender
general color tonality of its flowers, the
distinctive hellebore red general color
tonality of its half-open flowers and the
distinctive Persian lilac lightly overcast
with Laelia pink general color tonality
of its fully open flowers.

No. 1586. Ornamental plum tree. Mil-
dred M. Smith, Portland, Ore., assignor
to Samuel J. Rich, Hillsboro, Ore. The
new and distinct variety of plum tree,
characterized by its open, vigorous
growth; its dark, 2-toned foliage, and its
cherry-red fruit, the foliage and fruit

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combining to make the tree highly ornamental and the fruit, in addition to its growth, being distinctive by being only slightly acid and being capable of remaining on the tree a considerable time after becoming ripe, while also retaining its full flavor.

No. 1587. Apple tree. William Stephen Sawle, Jr., Kenilworth, Ill. The new and distinct variety of apple tree, the plant generally characterized by its extreme hardness, its strong branches capable of supporting well the abundant fruit which it bears, its long seasonal bearing period, its characteristic of retaining the fruit without dropping for longer periods than usual after ripening and the abundance of its fruit. Its most important characteristic resides in the fruit itself, which is characterized particularly by the exceedingly crisp, juicy texture and the tangy, sweet flavor of its flesh; its exceptional keeping qualities, and its fine cooking and eating qualities.

No. 1588. Rose plant. William A. Warner, Pico, Calif., assignor to Howard & Smith, Inc., Montebello, Calif. The new and distinct variety of hybrid floribunda rose plant, characterized particularly by its upright growth; its habit of prolifically bearing flowers both singly and in clusters, and the novel combination of characters of its flower, which has intense fragrance, light pink color and graceful, high-centered form, enhanced by substantial petals and large, bright yellow center.

All plant patents from No. 1 through No. 384 have expired and become public property.

FIRE ANTS IN TEXAS

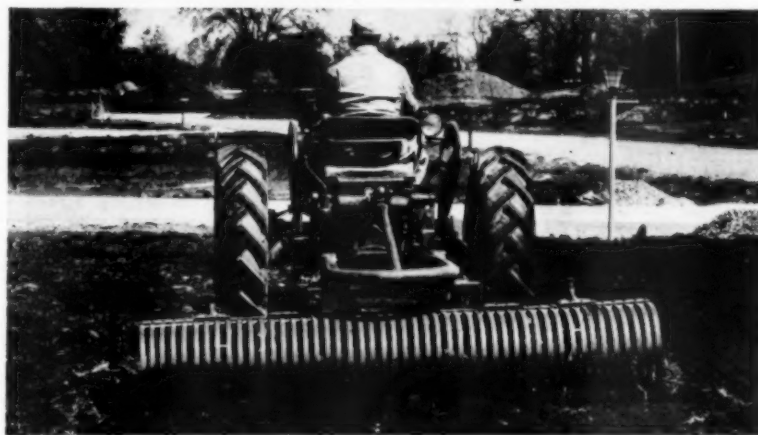
Imported fire ants, native South American pests, have become a serious threat to Texas farmers. The ants now live in the southern states in a line from Florida westward, infesting in their final course an area in southeast Texas from the Louisiana border to Houston.

The imported fire ant is noted for the fierceness of its attack. Its painful sting can cause boil-like sores on humans and severely injure animals

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and plant life. Feeding both above and below ground, they damage vegetable crops, pasture grasses, cereal and forage crops, nursery stock and fruit trees.

Fire ants are easy to detect by the mounds that they build, reaching up to two feet in height and three feet in diameter. Entomologists have said the ants are at their worst as a nuisance, hampering all types of farm operations. The tiny pests at present have covered only a relatively small part of Texas, but the continued growth of their population since introduction into this country some 30 years ago gives cause for alarm.

At a recent meeting of the southern plant board, the imported fire ant was termed a major pest of agriculture in the south, and special federal aid was asked for cooperative control work with states heaviest hit. Persons desiring control and eradication recommendations should contact the division of plant quarantine, Texas department of agriculture, Austin 14, Tex.

Because of the seriousness of the threat posed by the fire ants, the Texas department of agriculture will make a survey for ants during the fall and winter, when the vegetation is low. Some states are now preparing quarantines, and one state, Arkansas, already has a quarantine in effect. The department of agriculture has had to reinspect all nurseries shipping to that state and certify that they are free from ants. The ants are moved by nursery stock. Commissioner John White's office has stated that a quarantine law for Texas is probable.

CHRISTMAS TREE FILM

"Cash and Conservation with Christmas Trees" is the title of a 21-minute color motion picture recently released by the Missouri agricultural experiment station, Columbia. Embodied in the record of one farmer's efforts to reclaim eroded acreage by planting Christmas trees are suggestions for proper planting, cultivation and pruning of the trees.

Also included in the film are the results of the Missouri station's experimentation with species and the market opportunities open to those who grow Christmas trees as a cash crop in Missouri. The film may be obtained by writing to the Agricultural Editor's Office, 131 Mumford Hall, Columbia, Mo.

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<i>Taxus cuspidata densiformis</i> , 4 to 6 ins.40	.38	.35	<i>Thuja occidentalis woodwardi</i> , 4 to 6 ins.30	.28	.25
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